

### Data Selection Panel

These are the main input data that will be used in further analysis unless you specify otherwise. Use the drop down menus to select the data and information you want to use in your analysis.

Name of Data Matrix	Name of Variable Matrix	Name of Filename Matrix	Name of Totalcounts Matrix	Name of Samplenames Matrix
Select Data	Select Variables	Select Filenames	Select Totalcounts	Select Samples

This tutorial contains navigation buttons that enable you to move throughout the tutorial.

Please use the navigation buttons and not the page up/page down or arrow keys to navigate through the tutorials.

This is the 'Next' button. It takes you to the next frame or stop point.



This is the 'Previous' button. It takes you to the previous frame or stop point.



This is the 'Go to frame' button. It takes you to a specified frame.



This is the 'Go to URL' button. It takes you to a website link.



Press the 'Next' button below to start this tutorial.



Shortcuts How to Add

Workspace



Name

- data
- exactmass
- filenames
- newdata
- newfiles
- newsamples
- nommass
- samplenames
- totalcounts

Current Directory Workspace

Command History

```

load datafortut
exactmass
clc
clera
clear
clc
edit camecard.r
clc
exactmass
filenames
clc
samplenames
clc
clear new*
clc
clear new*
what
save datafortut
clc

```

Start


### Data Selection Panel

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Name of Data Matrix	Name of Variable Matrix	Name of Filename Matrix	Name of Totalcounts Matrix	Name of Samplenames Matrix
data	exactmass	filenames	totalcounts	samplenames

This tutorial will show you how to create scatter or bar charts of the active data set.

For this we will use the 'Plot Peak Area Data' function. This refers to peak intensity data imported to the spectragui and not to a RAW data file from an instrument manufacturer.






Workspace



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- data
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- newdata
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- newsamples
- nommass
- samplenames
- totalcounts

Command History

```

load datafortut
exactmass
clc
clera
clear
clc
edit camecard.r
clc
exactmass
filenames
clc
samplenames
clc
clear new*
clc
clear new*
what
save datafortut
clc

```

- Plot Raw Data
- Make Multiple Raw Data Figures
- Plot Scores with Confidence Limit
- Plot Loadings
- Label Loadings Plot

From the 'Data Display' menu choose -> 'Plot Raw Data'.

Name of Data Matrix	Name of Variable Matrix	Name of Filename Matrix	Name of Totalcounts Matrix	Name of Samplenames Matrix
data	exactmass	filenames	totalcounts	samplenames





Workspace



Name

- data
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- newdata
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- samplenames
- totalcounts

Current Directory Workspace

Command History

```

load datafortut
exactmass
clc
clera
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clc
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clc
exactmass
filenames
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samplenames
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clear new*
clc
clear new*
what
save datafortut
clc

```

### Data Selection Panel

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Name of Data Matrix	Name of Variable Matrix	Name of Filename Matrix	Name of Totalcounts Matrix	Name of Samplenames Matrix
data	exactmass	filenames	totalcounts	samplenames

### Raw Data Browser

Load Selected Data

Make sure the data you want to plot is selected from the 'Data Selection Panel'.

← →

### Variable List

Variable to Plot



### Select Plot Type

Choose Plot Style

Plot Data

Save Plot to File

Close Panel





Workspace



Name

- data
- exactmass
- filenames
- newdata
- newfiles
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- nommass
- samplenames
- totalcounts

Current Directory Workspace

Command History

```

load datafortut
exactmass
clc
clera
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clear new*
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### Data Selection Panel

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 Use the drop down menus to select the data and information you want to use in your analysis.

Name of Data Matrix	Name of Variable Matrix	Name of Filename Matrix	Name of Totalcounts Matrix	Name of Samplenames Matrix
<input type="text" value="data"/>	<input type="text" value="exactmass"/>	<input type="text" value="filenames"/>	<input type="text" value="totalcounts"/>	<input type="text" value="samplenames"/>

### Raw Data Browser

Load Selected Data

Then press the 'Load Selected Data' button.

← →

Loaded Data: None  
 Loaded Samplenames: None  
 Loaded Variables: None

### Select Plot Type

Choose Plot Style

Plot Data

Save Plot to File

Close Panel





Workspace



Name

- data
- exactmass
- filenames
- newdata
- newfiles
- newsamples
- nommass
- samplenames
- totalcounts

Current Directory Workspace

Command History

```

load datafortut
exactmass
clc
clera
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```

### Data Selection Panel

These are the main input data that will be used in further analysis unless you specify otherwise.  
 Use the drop down menus to select the data and information you want to use in your analysis.

Name of Data Matrix: 
 Name of Variable Matrix: 
 Name of Filename Matrix: 
 Name of Totalcounts Matrix: 
 Name of Samplenames Matrix:

### Raw Data Browser

Load Selected Data

Loaded Data: **data**  
 Loaded Samplenames: **samplenames**  
 Loaded Variables: **exactmass**

### Variable List

Select a Variable to Plot

- 11.9999
- 13.0080
- 14.0162
- 15.9963
- 17.0030
- 24.0008
- 25.0078
- 31.9726
- 32.9796
- 34.9757
- 36.0015
- 37.0086
- 38.0166
- 39.0242
- 45.9900
- 49.0089
- 51.0244
- 56.9807
- 58.9966
- 61.9895
- 79.9577
- 85.9528

A list of all peaks in the data set is shown in the 'Variable List' box.

← →

Select Plot Type

Choose Plot Style

Plot Data

Save Plot to File

Close Panel



Shortcuts How to Add

Workspace



- Name
- data
- exactmass
- filenames
- newdata
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- samplenames
- totalcounts

Current Directory Workspace

Command History

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load datafortut
exactmass
clc
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clear
clc
edit camecard.r
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clc

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### Data Selection Panel

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 Use the drop down menus to select the data and information you want to use in your analysis.

Name of Data Matrix <input type="text" value="data"/>	Name of Variable Matrix <input type="text" value="exactmass"/>	Name of Filename Matrix <input type="text" value="filenames"/>	Name of Totalcounts Matrix <input type="text" value="totalcounts"/>	Name of Samplenames Matrix <input type="text" value="samplenames"/>
--	---	---	--	--

### Raw Data Browser

Load Selected Data

Loaded Data: **data**  
 Loaded Samplenames: **samplenames**  
 Loaded Variables: **exactmass**

### Variable List

Select a Variable to Plot

- 11.9999
- 13.0080
- 14.0162
- 15.9963
- 17.0030
- 24.9999
- 45.9900
- 49.0089
- 51.0244
- 56.9807
- 58.9966
- 61.9895
- 79.9577
- 85.9528

### Select Plot Type

Choose Plot Style

Plot Data

Save Plot to File

Close Panel

Select the type of plot you would like to create from the 'Select Plot Type' drop down menu.

← →



Shortcuts How to Add

Workspace



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Current Directory Workspace

Command History

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clc
clera
clear
clc
edit camecard.r
clc
exactmass
filenames
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clear new*
clc
clear new*
what
save datafortut
clc

```

### Data Selection Panel

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 Use the drop down menus to select the data and information you want to use in your analysis.

Name of Data Matrix:  Name of Variable Matrix:  Name of Filename Matrix:  Name of Totalcounts Matrix:  Name of Samplenames Matrix:

Load Selected Data

Loaded Data: **data**  
 Loaded Samplenames: **samplenames**  
 Loaded Variables: **exactmass**

### Raw Data Browser

#### Variable List

Select a Variable to Plot

- 11.9999
- 13.0080
- 14.0162
- 15.9963
- 17.0030
- 24.0008
- 25.0078
- 24.0008

#### Select Plot Type

- Choose Plot Style
- Choose Plot Style
- Scatter
- Bar
- Average + Stdev
- Average + Stdev Colored

Close Panel

There are 4 plot types.

Scatter - X,Y scatter plot of the intensity for the selected peak for all spectra in the data set.

Bar - bar plot of the intensity for the selected peak for all spectra in the data set.

Average + Stdev - a bar plot of the average intensity and standard deviation for the selected peak for all sample groups in the data set.

Average + Stdev Colored - same as above, but each bar in the plot has a different color.

Let's see how each one looks.

← →





Shortcuts How to Add

Workspace



Name

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- samplenames
- totalcounts

Current Directory Workspace

Command History

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load datafortut
exactmass
clc
clera
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exactmass
filenames
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clc
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clc
clear new*
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clc

```

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Name of Data Matrix:  Name of Variable Matrix:  Name of Filename Matrix:  Name of Totalcounts Matrix:  Name of Samplenames Matrix:

### Raw Data Browser

Load Selected Data

Loaded Data: **data**  
 Loaded Samplenames: **samplenames**  
 Loaded Variables: **exactmass**

### Variable List

Select a Variable to Plot

- 11.9999
- 13.0080
- 14.0162
- 15.9963
- 17.0030
- 24.0008
- 25.0078
- 31.9726
- 32.9796
- 35.9887
- 58.9966
- 61.9895
- 79.9577
- 85.9528

### Select Plot Type

- Choose Plot Style
- Choose Plot Style
- Scatter**
- Bar
- Average + Stdev
- Average + Stdev Colored

Close Panel

First we'll select the 'Scatter' plot.



Shortcuts How to Add

Workspace



Name

- data
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- nommass
- samplenames
- totalcounts

Current Directory Workspace

Command History

```

load datafortut
exactmass
clc
clera
clear
clc
edit camecard.r
clc
exactmass
filenames
clc
samplenames
clc
clear new*
clc
clear new*
what
save datafortut
clc

```

### Data Selection Panel

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Name of Data Matrix <input type="text" value="data"/>	Name of Variable Matrix <input type="text" value="exactmass"/>	Name of Filename Matrix <input type="text" value="filenames"/>	Name of Totalcounts Matrix <input type="text" value="totalcounts"/>	Name of Samplenames Matrix <input type="text" value="samplenames"/>
--	---	---	--	--

### Raw Data Browser

Load Selected Data

Loaded Data: **data**  
 Loaded Samplenames: **samplenames**  
 Loaded Variables: **exactmass**

### Variable List

Select a Variable to Plot

- 11.9999
- 13.0084
- 14.0162
- 15.9963
- 17.0030
- 24.0008
- 25.0078
- 31.9726
- 32.9796
- 34.9757
- 36.0015
- 37.0086
- 38.0166
- 39.0242
- 45.9900
- 49.0089
- 51.0244
- 56.9807
- 58.9966
- 61.9895
- 79.9577
- 85.9528

Then click on the peak you want to plot the data for.

← →

Select Plot Type

Plot Data

Save Plot to File

Close Panel



Shortcuts How to Add

Workspace



Name

- data
  - exactmass
  - filenames
  - newdata
  - newfiles
  - newsamples
  - nommass
  - samplenames
  - totalcounts
- Current Directory Workspace

Command History

```
load datafortut
exactmass
clc
clera
clear
clc
edit camecard.r
clc
exactmass
filenames
clc
samplenames
clc
clear new*
clc
clear new*
what
save datafortut
clc
```

### Data Selection Panel

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Name of Data Matrix: data  
Name of Variable Matrix: exactmass  
Name of Filename Matrix: filenames  
Name of Totalcounts Matrix: totalcounts  
Name of Samplenames Matrix: samplenames

### Raw Data Browser

Load Selected Data

Loaded Data: data  
Loaded Samplenames:  
Loaded Variables:

Variable List  
Select a Variable to Plot

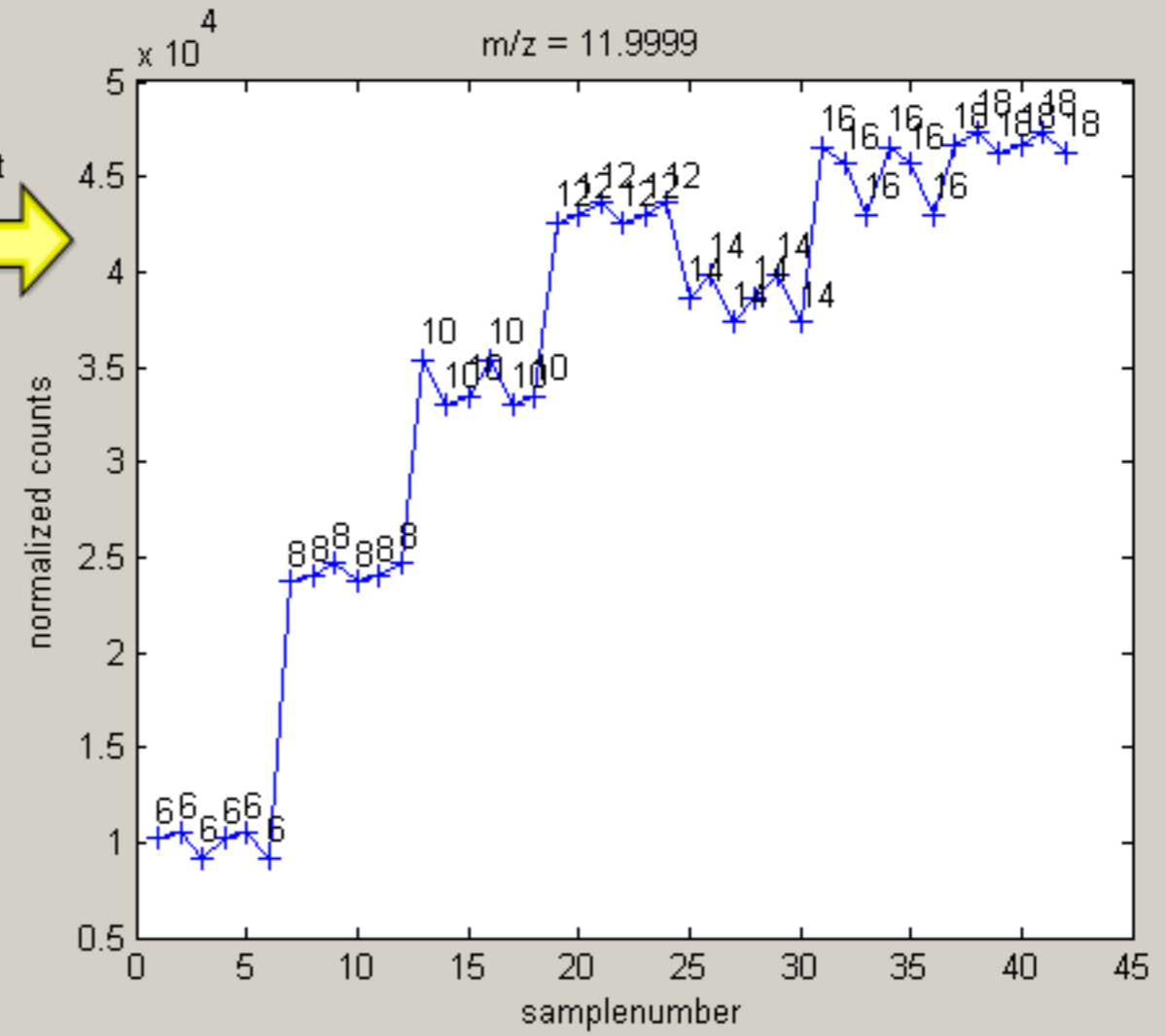
The plot is displayed here.

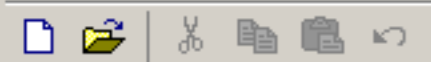
Select Scatter

Plot Data Save Plot to File

Close Panel

- 24.0000
- 25.0078
- 31.9726
- 32.9796
- 34.9757
- 36.0015
- 37.0086
- 38.0166
- 39.0242
- 45.9900
- 49.0089
- 51.0244
- 56.9807
- 58.9966
- 61.9895
- 79.9577
- 85.9720





Shortcuts How to Add

Workspace



Name

- data
- exactmass
- filenames
- newdata
- newfiles
- newsamples
- nommass
- samplenames
- totalcounts

Current Directory Workspace

Command History

```

load datafortut
exactmass
clc
clera
clear
clc
edit camecard.r
clc
exactmass
filenames
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samplenames
clc
clear new*
clc
clear new*
what
save datafortut
clc

```

### Data Selection Panel

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Use the drop down menus to select the data and information you want to use in your analysis.

Name of Data Matrix:  Name of Variable Matrix:  Name of Filename Matrix:  Name of Totalcounts Matrix:  Name of Samplenames Matrix:

### Raw Data Browser

Load Selected Data

Loaded Data: **data**  
Loaded Samplenames: **samplenames**  
Loaded Variables: **exactmass**

### Variable List

Select a Variable to Plot

- 11.9999
- 13.0080
- 14.0162
- 15.9963
- 17.0030
- 24.0008
- 45.9900
- 49.0089
- 51.0244
- 56.9807
- 58.9966
- 61.9895
- 79.9577
- 85.9528

Select Plot Type

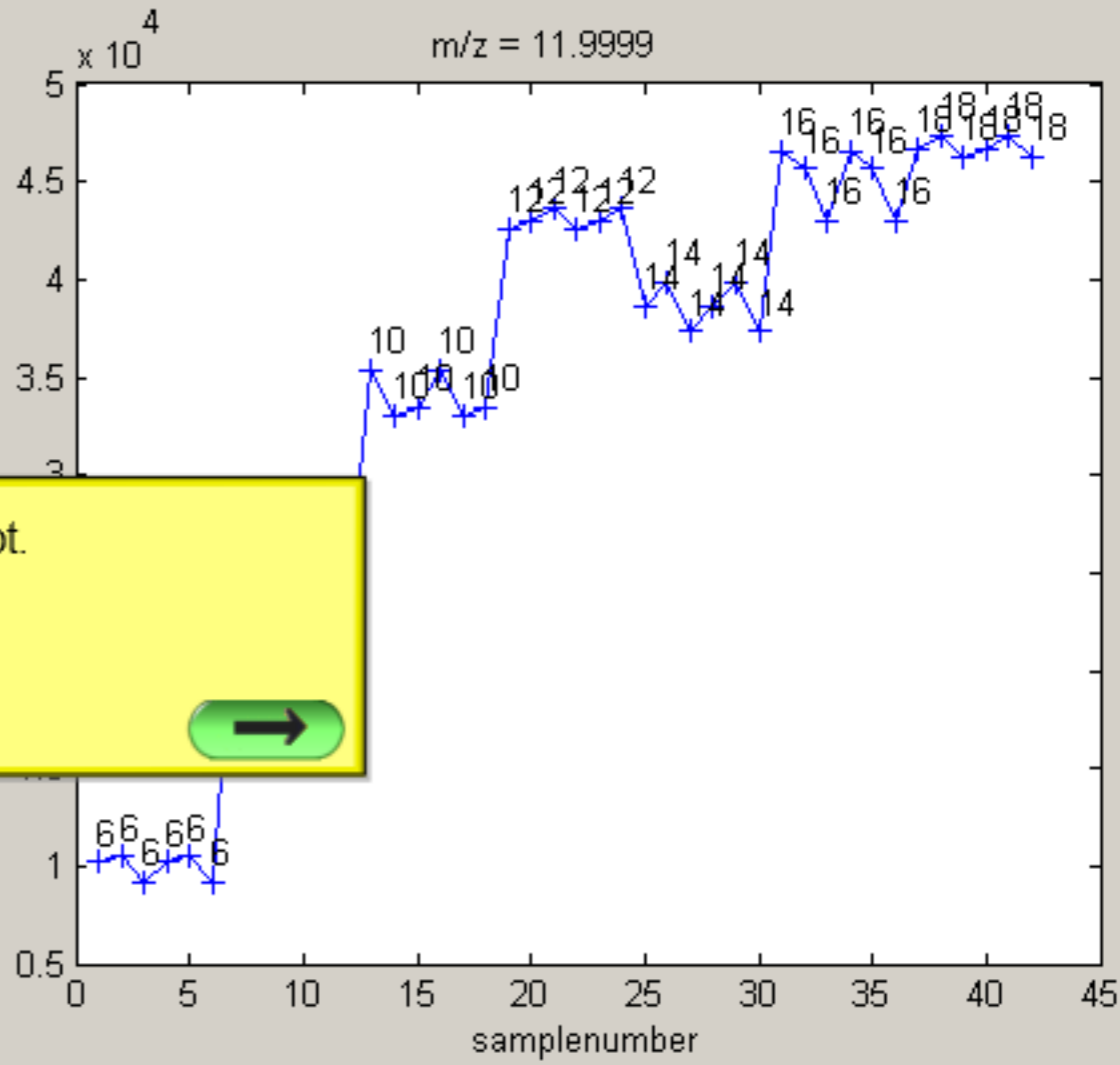
Scatter

Plot Data Save Plot to File

Close Panel

Now let's look at a bar plot.

← →





Shortcuts How to Add

Workspace



Name
data
exactmass
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newsamples
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samplenames
totalcounts

Command History

```

load datafortut
exactmass
clc
clera
clear
clc
edit camecard.r
clc
exactmass
filenames
clc
samplenames
clc
clear new*
clc
clear new*
what
save datafortut
clc

```

### Data Selection Panel

These are the main input data that will be used in further analysis unless you specify otherwise. Use the drop down menus to select the data and information you want to use in your analysis.

Name of Data Matrix: **data**    Name of Variable Matrix: **exactmass**    Name of Filename Matrix: **filenames**    Name of Totalcounts Matrix: **totalcounts**    Name of Samplenames Matrix: **samplenames**

### Raw Data Browser

Loaded Data: **data**

Loaded Samplenames: **samplenames**

Loaded Variables: **exactmass**

Select Plot Type: **Bar**

Plot Data    Save Plot to File    Close Panel

Click on the peak again to refresh the plot.

11.9999
13.0080
14.0162
15.9963
17.0030
24.0008
25.0078
31.9726
32.9796
34.9757
36.0015
37.0086
38.0166
39.0242
45.9900
49.0089
51.0244
56.9807
58.9966
61.9895
79.9577
85.9528



Shortcuts How to Add

Workspace



Name

- data
- exactmass
- filenames
- newdata
- newfiles
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- nommass
- samplenames
- totalcounts

Current Directory Workspace

Command History

```

load datafortut
exactmass
clc
clera
clear
clc
edit camecard.r
clc
exactmass
filenames
clc
samplenames
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clear new*
clc
clear new*
what
save datafortut
clc

```

### Data Selection Panel

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Name of Data Matrix:    
 Name of Variable Matrix:    
 Name of Filename Matrix:    
 Name of Totalcounts Matrix:    
 Name of Samplenames Matrix:

### Raw Data Browser

Load Selected Data

Loaded Data: **data**  
 Loaded Samplenames: **sa**  
 Loaded Variables: **e**

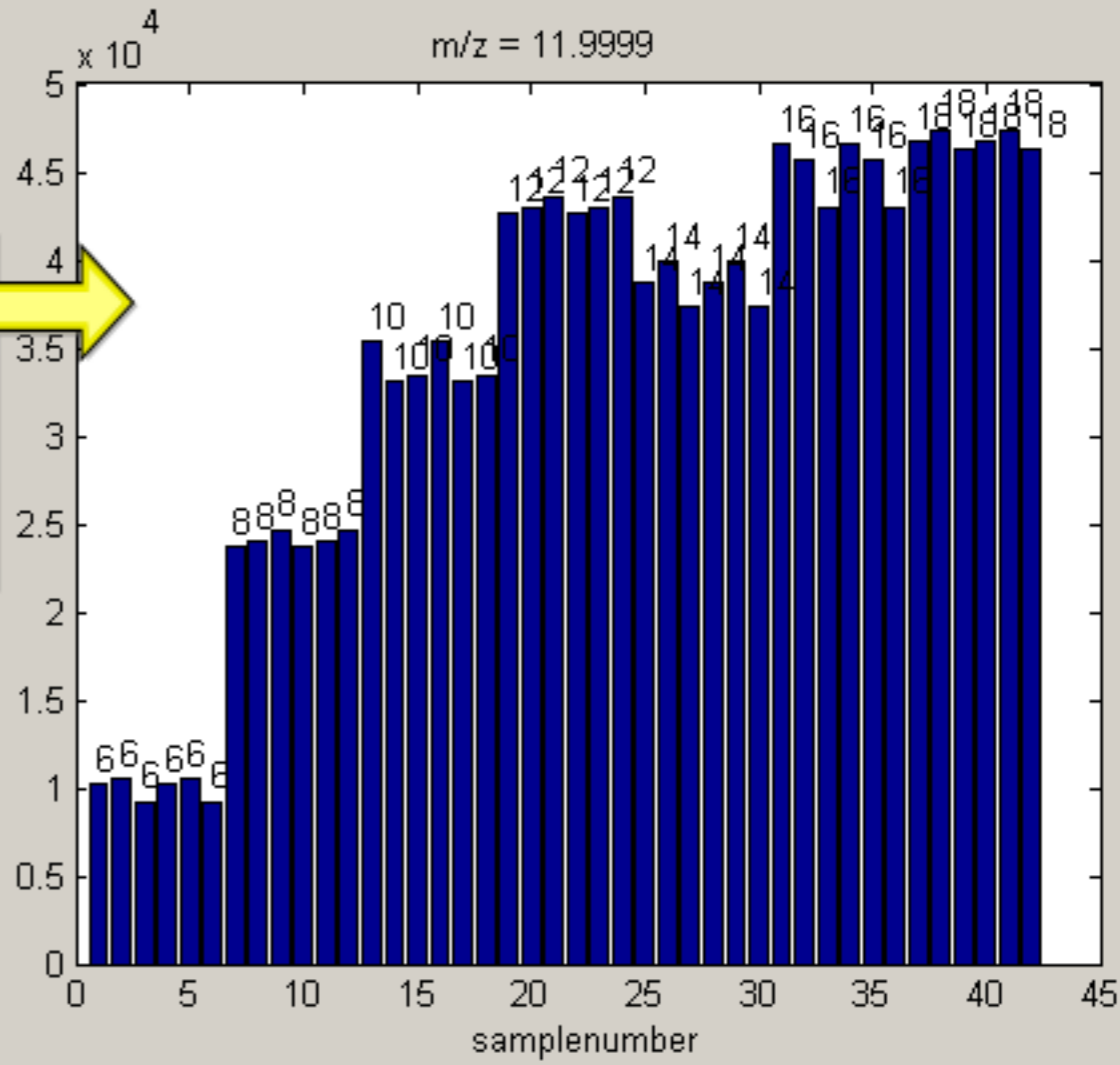
Variable List  
 Select a Variable to Plot

Select Plot Type

Plot Data    Save Plot to File

Close Panel

- 34.9757
- 36.0015
- 37.0086
- 38.0166
- 39.0242
- 45.9900
- 49.0089
- 51.0244
- 56.9807
- 58.9966
- 61.9895
- 79.9577
- 85.9528



This is a basic bar plot.  
 Now let's look at a bar plot showing the average and standard deviation for this peak.



Workspace



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Command History

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exactmass
clc
clera
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clc
edit camecard.r
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clear new*
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what
save datafortut
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```

### Data Selection Panel

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Name of Data Matrix <input type="text" value="data"/>	Name of Variable Matrix <input type="text" value="exactmass"/>	Name of Filename Matrix <input type="text" value="filenames"/>	Name of Totalcounts Matrix <input type="text" value="totalcounts"/>	Name of Samplenames Matrix <input type="text" value="samplenames"/>
--	---	---	--	--

### Raw Data Browser

Load Selected Data to Plot

Loaded Data:

Loaded Samplenames:

Loaded Variables:

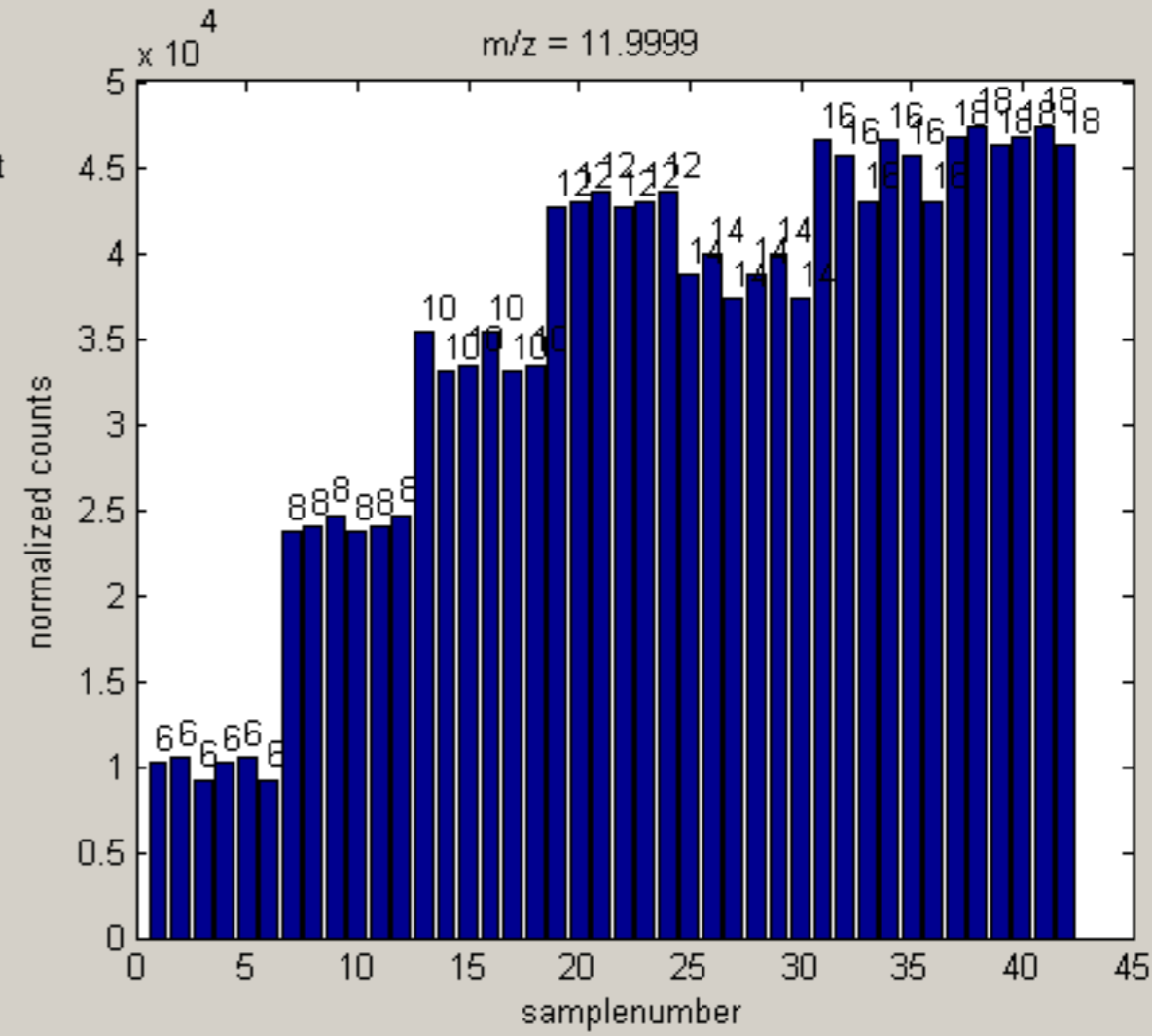
Select Plot Type

Plot Data Save Plot to File

Close Panel

Click on the peak again to refresh the plot.

- 11.9999
- 13.0048
- 14.0162
- 15.9963
- 17.0030
- 24.0008
- 25.0078
- 31.9726
- 32.9796
- 34.9757
- 36.0015
- 37.0086
- 38.0166
- 39.0242
- 45.9900
- 49.0089
- 51.0244
- 56.9807
- 58.9966
- 61.9895
- 79.9577
- 85.9520





Shortcuts How to Add

Workspace



Name

- data
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- samplenames
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Current Directory Workspace

Command History

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load datafortut
exactmass
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Name of Data Matrix:    
 Name of Variable Matrix:    
 Name of Filename Matrix:    
 Name of Totalcounts Matrix:    
 Name of Samplenames Matrix:

### Raw Data Browser

Load Selected Data

Loaded Data: **data**  
 Loaded Samplenames: **sa**  
 Loaded Variables: **e**

Variable List  
 Select a Variable to Plot

Select Plot Type

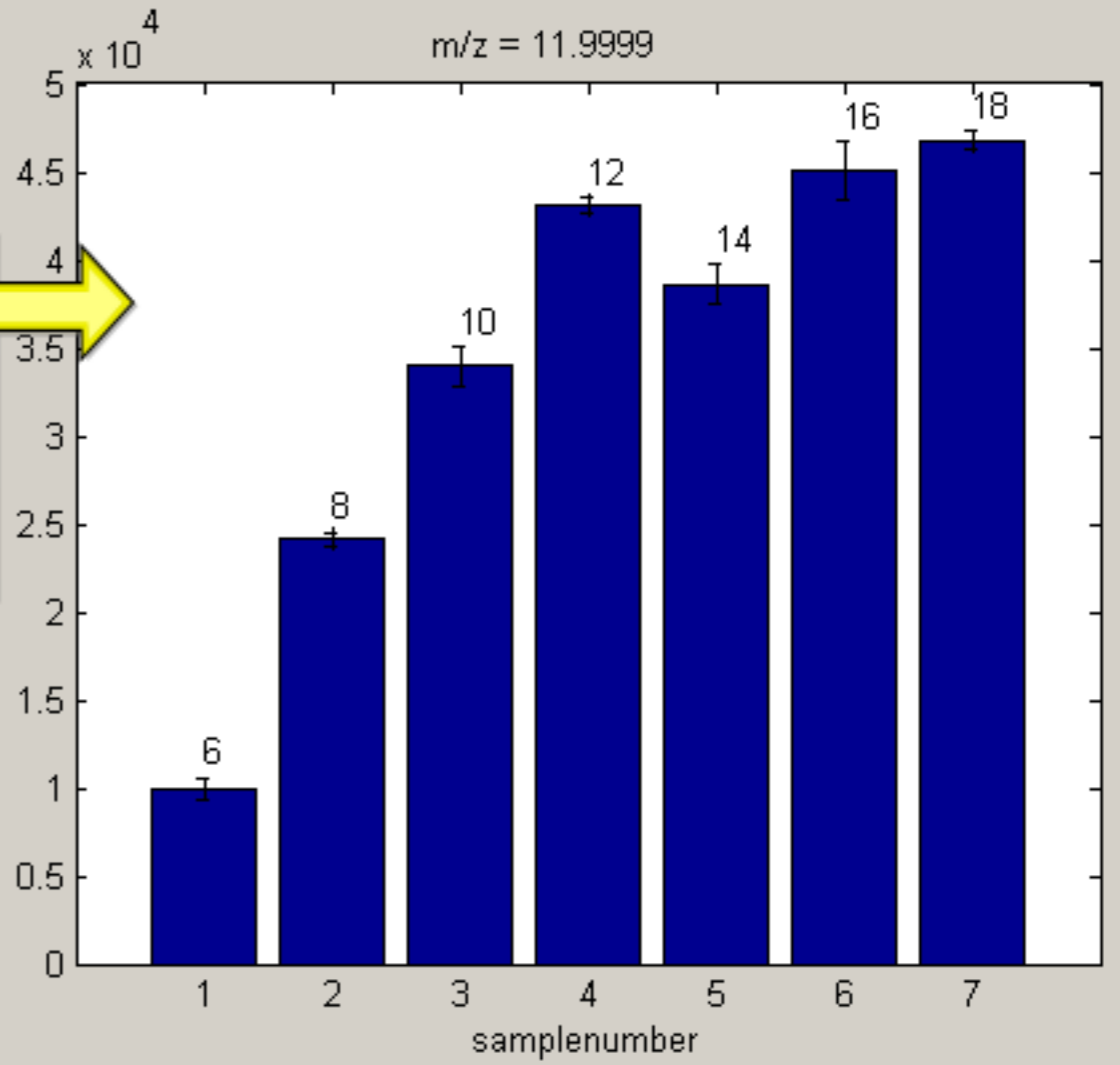
Average + Stdev

Plot Data    Save Plot to File

Close Panel

- 34.9757
- 36.0015
- 37.0086
- 38.0166
- 39.0242
- 45.9900
- 49.0089
- 51.0244
- 56.9807
- 58.9966
- 61.9895
- 79.9577
- 85.9528

Now the data is displayed showing the average and standard deviation.  
 Now let's create this plot with colored bars.







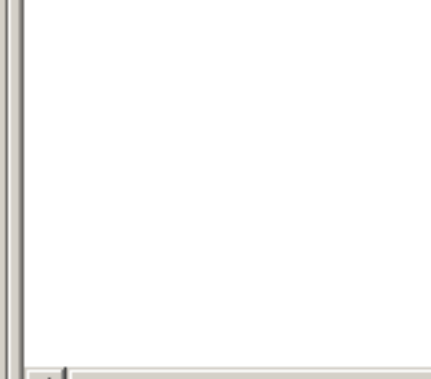
Shortcuts How to Add

Workspace



Name

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Current Directory Workspace

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Name of Data Matrix:  Name of Variable Matrix:  Name of Filename Matrix:  Name of Totalcounts Matrix:  Name of Samplenames Matrix:

### Raw Data Browser

Load Selected

Click on the peak again to refresh the plot.

Loaded Data:

Loaded Samplenames: **samplenames**

Loaded Variables: **exactmass**

Plot

#### Select Plot Type

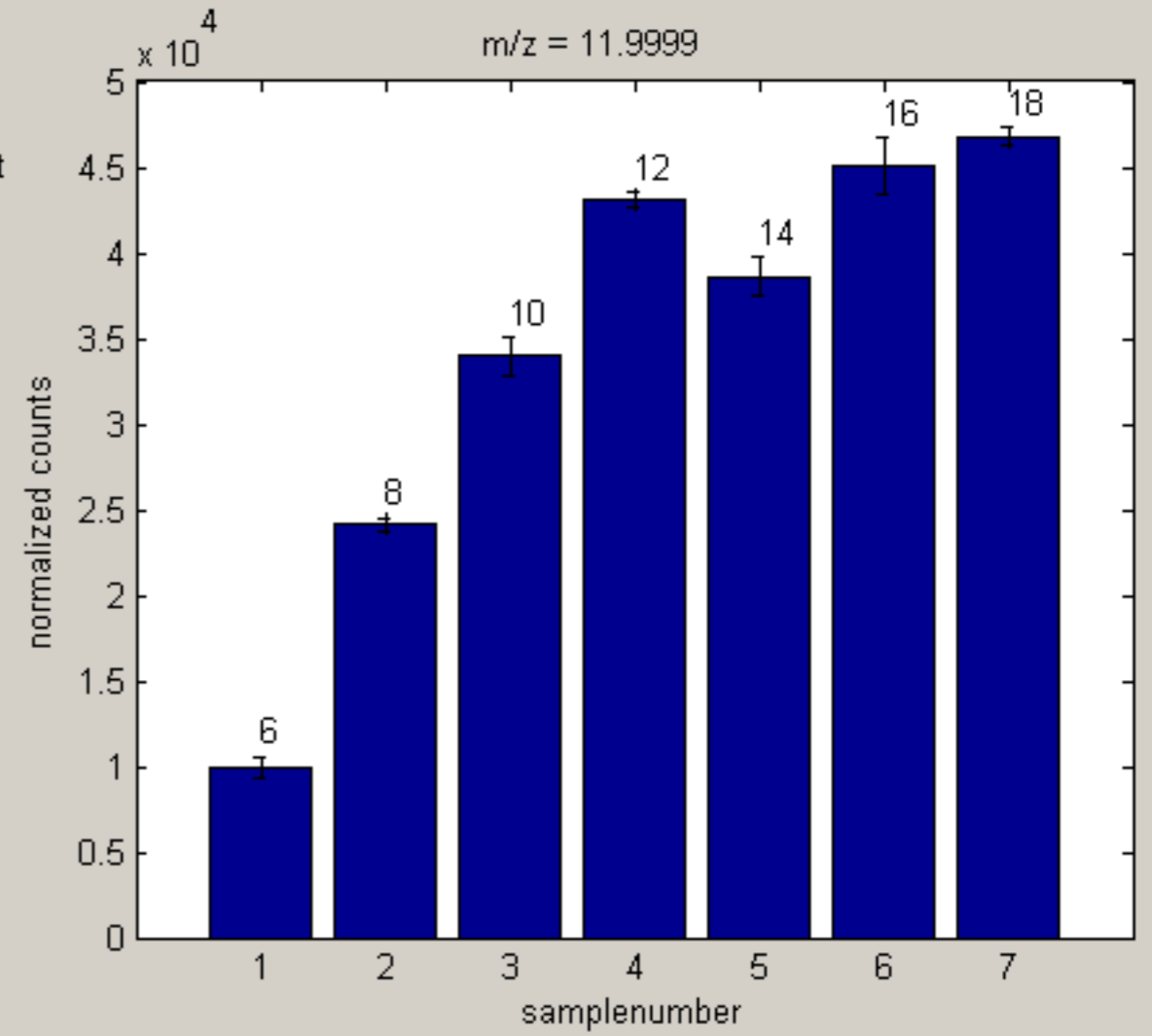
Average + Stdev Colored

Plot Data

Save Plot to File

Close Panel

- 11.9999
- 13.0080
- 14.0162
- 15.9963
- 17.0030
- 24.0008
- 25.0078
- 31.9726
- 32.9796
- 34.9757
- 36.0015
- 37.0086
- 38.0166
- 39.0242
- 45.9900
- 49.0089
- 51.0244
- 56.9807
- 58.9966
- 61.9895
- 79.9577
- 85.9520





Shortcuts How to Add

Workspace



Name

- data
- exactmass
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- newdata
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Current Directory Workspace

Command History

```

load datafortut
exactmass
clc
clera
clear
clc
edit camecard.r
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exactmass
filenames
clc
samplenames
clc
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clc
clear new*
what
save datafortut
clc

```

### Data Selection Panel

These are the main input data that will be used in further analysis unless you specify otherwise.  
 Use the drop down menus to select the data and information you want to use in your analysis.

Name of Data Matrix:  Name of Variable Matrix:  Name of Filename Matrix:  Name of Totalcounts Matrix:  Name of Samplenames Matrix:

### Raw Data Browser

Load Selected Data

Loaded Data: **data**  
 Loaded Samplenames: **sa**  
 Loaded Variables: **e**

Variable List  
 Select a Variable to Plot

Select Plot Type

Average + Stdev Colored

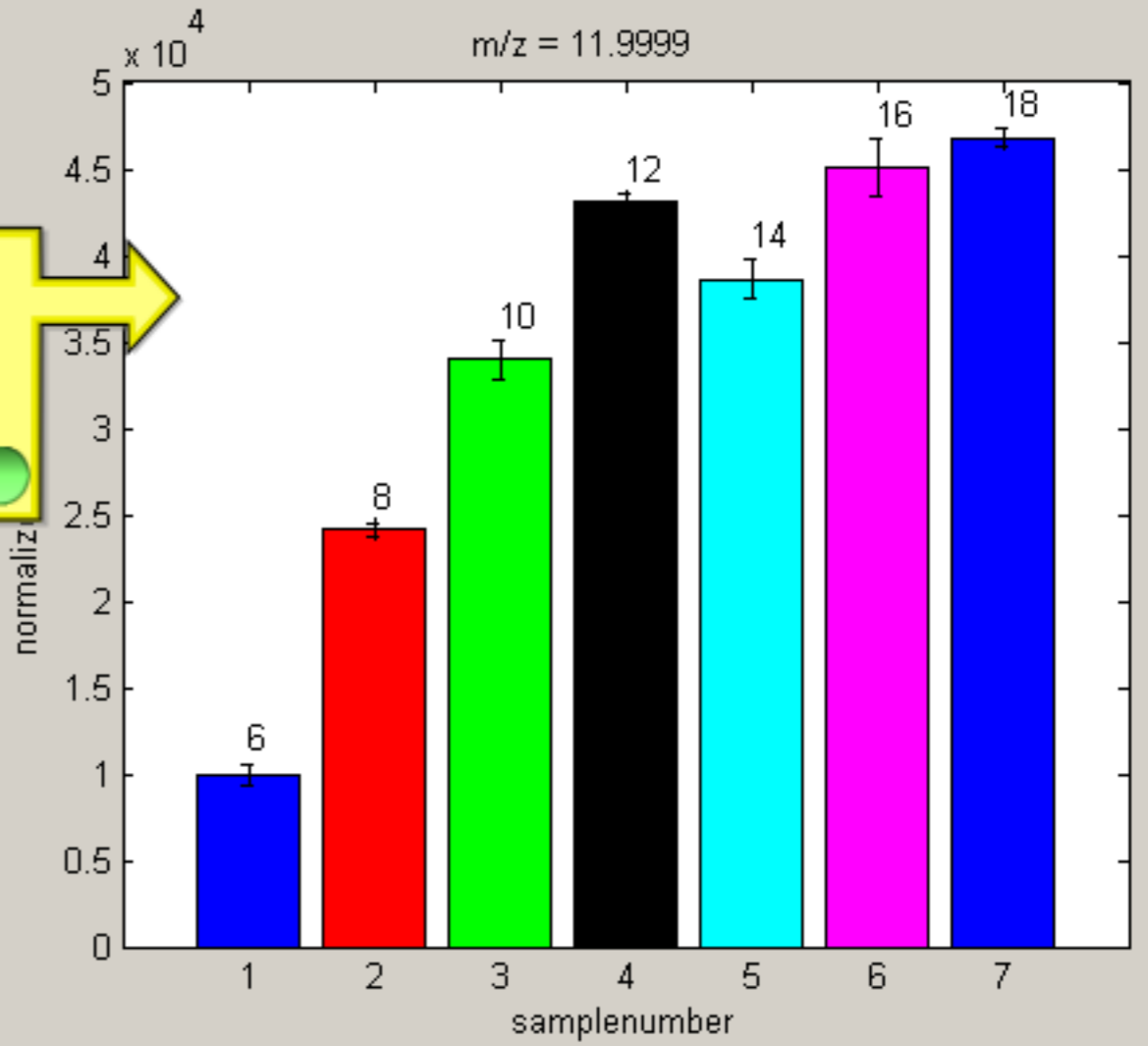
Plot Data

Save Plot to File

Close Panel

- 31.9726
- 32.9796
- 34.9757
- 36.0015
- 37.0086
- 38.0166
- 39.0242
- 45.9900
- 49.0089
- 51.0244
- 56.9807
- 58.9966
- 61.9895
- 79.9577
- 85.9528

Now each bar is colored.





Shortcuts How to Add

Workspace



Name

- data
- exactmass
- filenames
- newdata
- newfiles
- newsamples
- nommass
- samplenames
- totalcounts

Current Directory Workspace

Command History

```

load datafortut
exactmass
clc
clera
clear
clc
edit camecard.r
clc
exactmass
filenames
clc
samplenames
clc
clear new*
clc
clear new*
what
save datafortut
clc

```

### Data Selection Panel

These are the main input data that will be used in further analysis unless you specify otherwise.  
 Use the drop down menus to select the data and information you want to use in your analysis.

Name of Data Matrix:  Name of Variable Matrix:  Name of Filename Matrix:  Name of Totalcounts Matrix:  Name of Samplenames Matrix:

### Raw Data Browser

Load Selected Data

Loaded Data: **data**  
 Loaded Samplenames: **samplenames**  
 Loaded Variables: **exactmass**

#### Select Plot Type

Plot Data

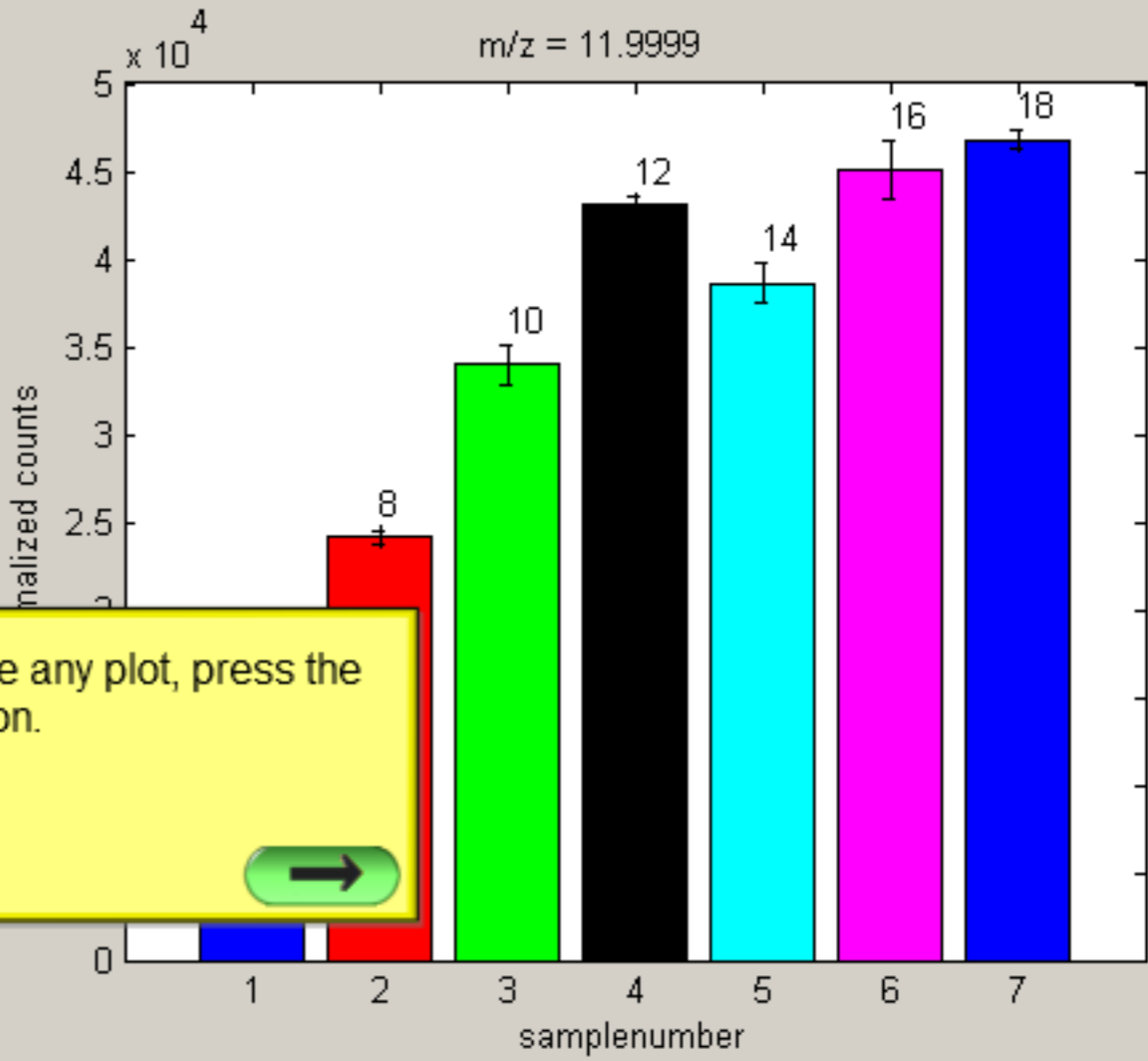
Save Plot to File

Close Panel

#### Variable List

Select a Variable to Plot

- 11.9999
- 13.0080
- 14.0162
- 15.9963
- 17.0030
- 24.0008
- 25.0078
- 31.9726
- 32.9796
- 34.9757
- 36.9838
- 61.9895
- 79.9577
- 85.9528



If you would like to save any plot, press the 'Save Plot to File' button.

- 12.jpg
- 13.jpg
- 14.jpg
- 25.jpg
- 25micronScan3micronfeatures.jpg
- 32.jpg
- 33.jpg
- 38.jpg
- 80.jpg
- 96.jpg
- 97.jpg
- 165.jpg
- 197.jpg
- 431.jpg
- 487.jpg
- 511.jpg
- 745.jpg
- NiceLoadingsPlot.jpg
- scoresplot.jpg

File name: default

Save as type: jpeg (\*.jpg)

Save

Cancel

```

load datafortut
exactmass
clc
clera
clear
clc
edit camecard.r
clc
exactmass
filenames
clc
samplenames
clc
clear new*
clc
clear new*
what
save datafortut
clc

```

Plot Data

Save Plot to File

Close Panel

```

51.5120
32.9796
34.9757
36.0015
37.0086
38.0166
39.0242
45.9900
49.0089
51.0244
56.9807
58.9966
61.9895
79.9577
85.9520

```

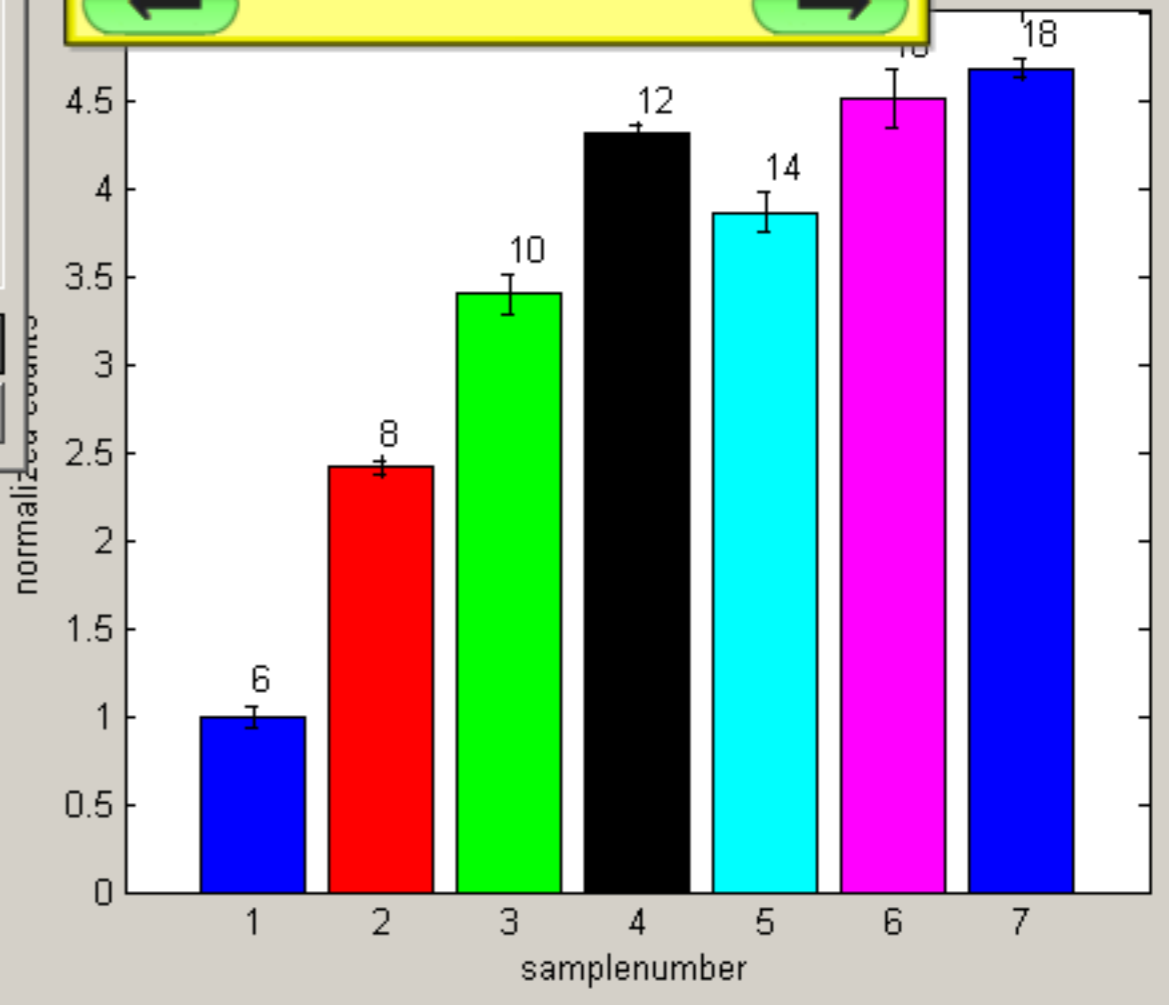
anel

r analysis unless you specify otherwise.

ation you want to use in your analysis.

ix Name of Totalcounts Matrix Name of Samplenames Matrix

This brings up a standard save dialog. You can choose where to save the file, the file name and the file type.





work

File Edit View Favorites Tools Help

Back Forward Refresh Search Folders

Address C:\Program Files\MATLAB\R2006b\work

Folders

- local
- matlab
- nb\_tools
- nb\_tools\_v2
- PLS\_Toolbox\_583
  - @dataset
  - dems
  - dft
  - extensions
  - help
  - optimize
  - peakfit
  - private
  - robust
  - svms
  - utilities
- shared
- signal
- temp
- wavelet
- uninstall
- work

McAfee

MDL ISIS Draw 2.5

Messenger

Microsoft ActiveSync

microsoft frontpage

Microsoft Office

Microsoft Silverlight

Microsoft Visual Studio

MKS Toolkit

Molecular Fragment Calculator

Molecular Weight Calculator

Movie Maker

Mozilla Firefox

Mozilla Thunderbird

MSBuild

MSECache

MSN

MSN Gaming Zone

NetMeeting

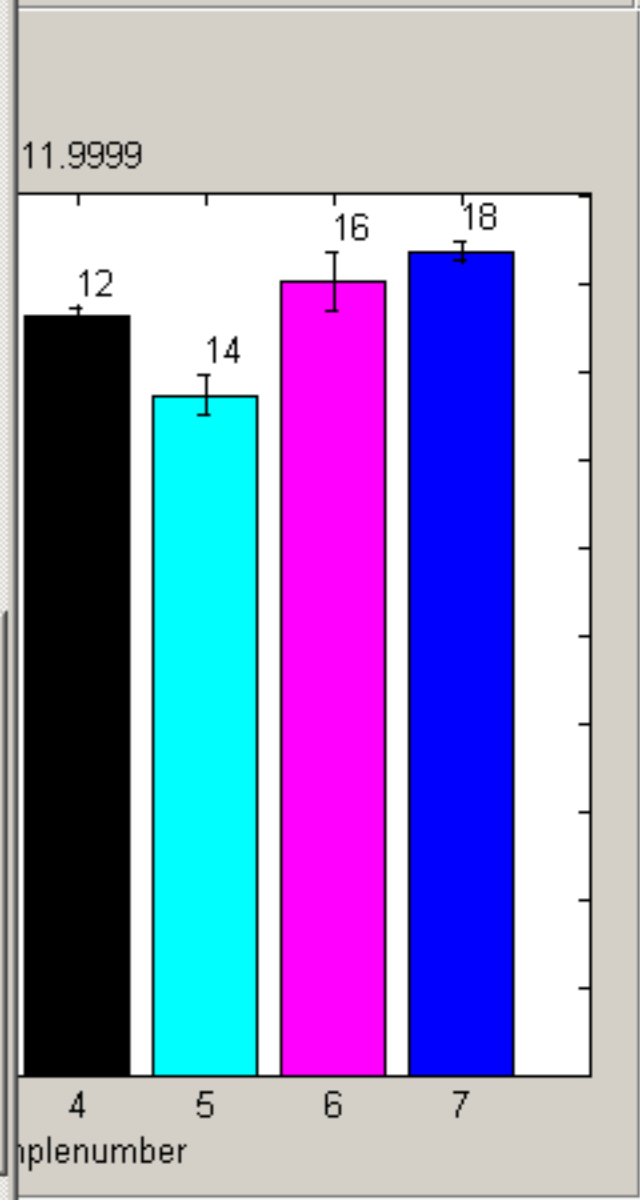
Name	Size	Type	Date Modified
helpsubspace.mat	32 KB	MATLAB data file	4/29/2010 4:10 P
H1.mat	5,572 KB	MATLAB data file	3/19/2010 3:47 P
filenames.mat	1 KB	MATLAB data file	7/23/2010 3:02 P
fakeimagespectradata.mat	1,988 KB	MATLAB data file	1/4/2010 4:48 P
dnaproteinnegdataall.mat	99 KB	MATLAB data file	3/19/2010 12:20
datafortutorials.mat	6 KB	MATLAB data file	10/7/2010 2:11 P
c1211.mat	5,377 KB	MATLAB data file	5/14/2010 3:57 P
allhomoposdataDNAIgG.mat	114 KB	MATLAB data file	3/2/2010 1:48 P
ABCF6 with C6-6.mat	204 KB	MATLAB data file	8/25/2009 10:15
100721.mat	638 KB	MATLAB data file	7/26/2010 9:04 P
scoresplot.jpg			
peak12.jpg			
NiceLoadingsPlot.jpg			
745.jpg			
511.jpg			
487.jpg			
431.jpg			
197.jpg	57 KB	JPEG Image	10/5/2010 1:50 P
165.jpg	43 KB	JPEG Image	10/5/2010 1:50 P
97.jpg	46 KB	JPEG Image	10/5/2010 1:50 P
96.jpg	43 KB	JPEG Image	10/5/2010 1:50 P
80.jpg	52 KB	JPEG Image	10/5/2010 1:50 P
38.jpg	56 KB	JPEG Image	10/5/2010 1:50 P
33.jpg	59 KB	JPEG Image	10/5/2010 1:50 P
32.jpg	56 KB	JPEG Image	10/5/2010 1:50 P
25micronScan3micronfeatures...	257 KB	JPEG Image	9/28/2010 2:07 P
25.jpg	63 KB	JPEG Image	10/5/2010 1:50 P
14.jpg	61 KB	JPEG Image	10/5/2010 1:50 P
13.jpg	63 KB	JPEG Image	10/5/2010 1:50 P
12.jpg	57 KB	JPEG Image	10/5/2010 1:50 P
test.bif6	2,561 KB	BIF6 File	7/30/2010 4:07 P
test2.bif6	38,403 KB	BIF6 File	10/5/2010 11:01
51000_01.BIF6	38,403 KB	BIF6 File	10/1/2010 2:22 P
25500_01.BIF6	38,403 KB	BIF6 File	10/4/2010 12:42
25100_01.BIF6	38,403 KB	BIF6 File	10/4/2010 12:34
5100_06.BIF6	13,313 KB	BIF6 File	10/4/2010 1:34 P
5100_01.BIF6	38,403 KB	BIF6 File	10/4/2010 12:49
1100_06.BIF6	13,313 KB	BIF6 File	10/4/2010 1:28 P
1100_02.BIF6	38,403 KB	BIF6 File	10/4/2010 12:16
TIMAGE.BIF	8,580 KB	BIF File	4/29/2010 2:15 P

The file is save where you placed it.

erwise.  
analysis.

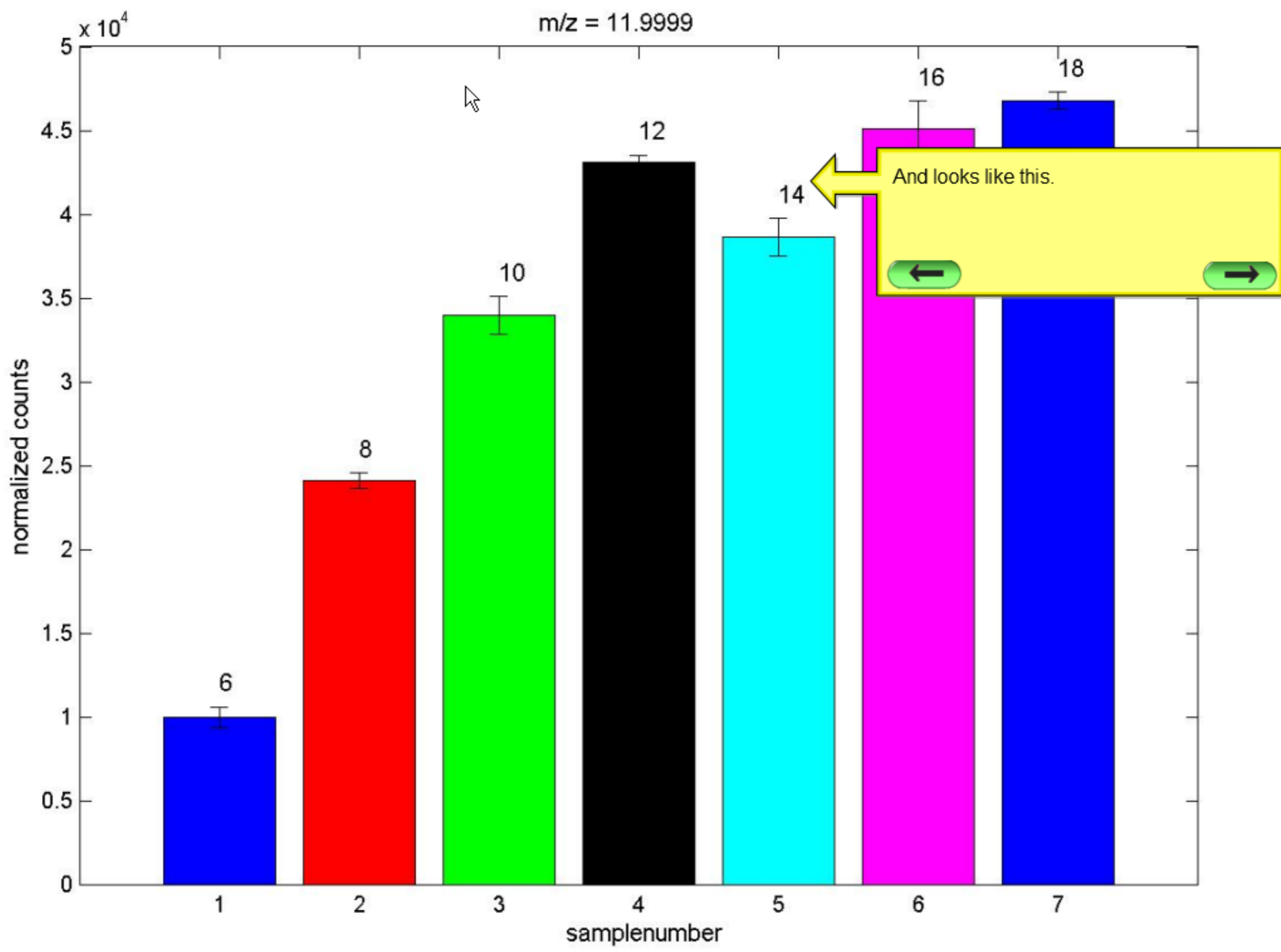
Name of Samplenames Matrix

samplenames



```

> what
> save datafortut
> clc
  
```





Shortcuts How to Add

Workspace



Name

- data
- exactmass
- filenames
- newdata
- newfiles
- newsamples
- nommass
- samplenames
- totalcounts

Current Directory Workspace

Command History

```

load datafortut
exactmass
clc
clera
clear
clc
edit camecard.r
clc
exactmass
filenames
clc
samplenames
clc
clear new*
clc
clear new*
what
save datafortut
clc

```

### Data Selection Panel

These are the main input data that will be used in further analysis unless you specify otherwise.  
 Use the drop down menus to select the data and information you want to use in your analysis.

Name of Data Matrix:  Name of Variable Matrix:  Name of Filename Matrix:  Name of Totalcounts Matrix:  Name of Samplenames Matrix:

### Raw Data Browser

Load Selected Data

Loaded Data: **data**  
 Loaded Samplenames: **samplenames**

For any plot type you can browse through the peak list by pressing the up or down arrow keys. The plot will automatically update.

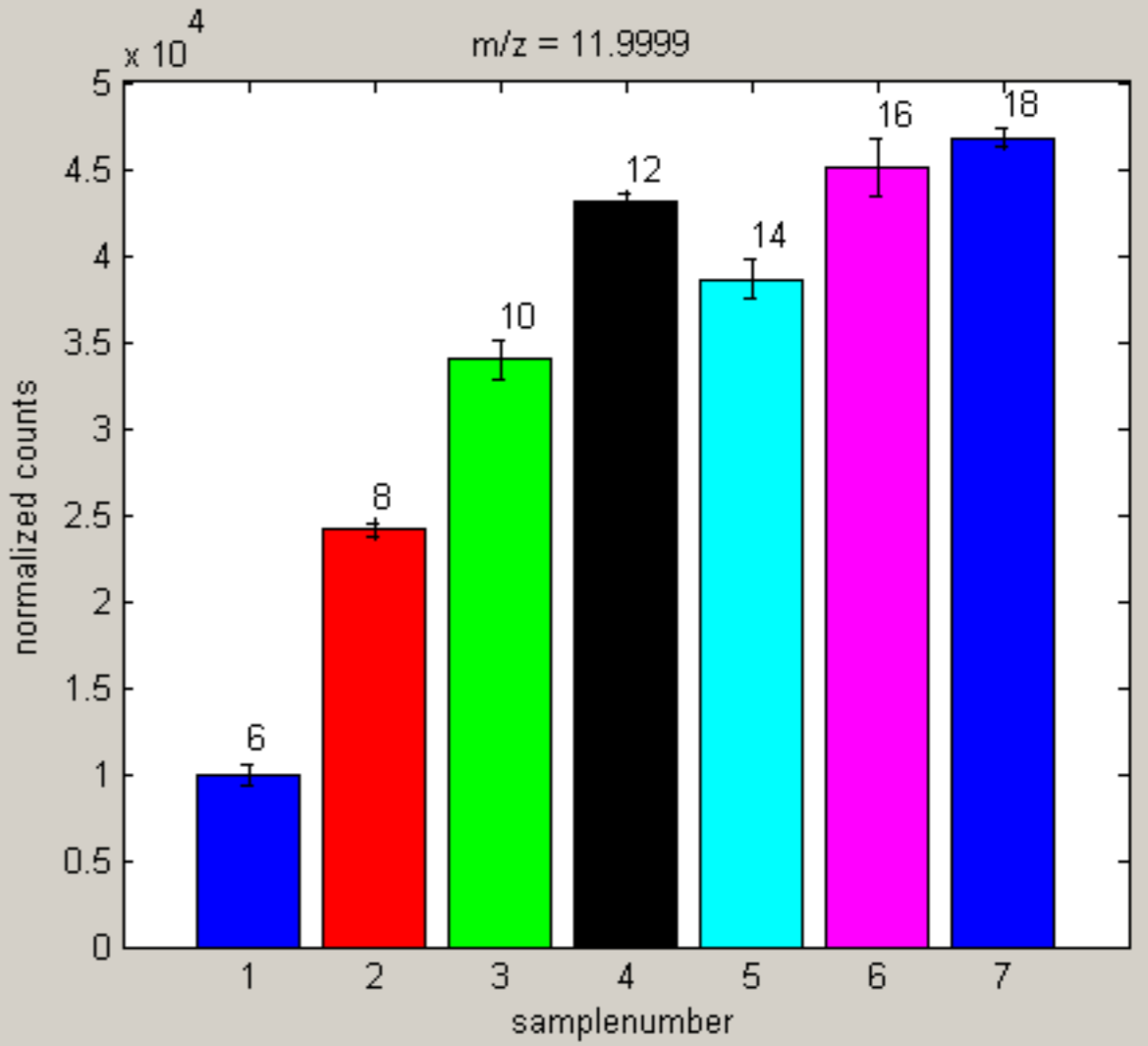
### Variable List

Select a Variable to Plot

- 11.9999
- 13.0080
- 14.0162
- 15.9963
- 17.0030
- 24.0008
- 25.0078
- 31.9726
- 32.9796
- 34.9757
- 36.0015
- 37.0086
- 38.0166
- 39.0242
- 45.9900
- 49.0089
- 51.0244
- 56.9807
- 58.9966
- 61.9895
- 79.9577
- 85.9520

Plot Data Save Plot to File

Close Panel







Shortcuts How to Add

Workspace



Name

- data
- exactmass
- filenames
- newdata
- newfiles
- newsamples
- nommass
- samplenames
- totalcounts

Current Directory Workspace

Command History

```

load datafortut
exactmass
clc
clera
clear
clc
edit camecard.r
clc
exactmass
filenames
clc
samplenames
clc
clear new*
clc
clear new*
what
save datafortut
clc

```

### Data Selection Panel

These are the main input data that will be used in further analysis unless you specify otherwise.  
 Use the drop down menus to select the data and information you want to use in your analysis.

Name of Data Matrix:    
 Name of Variable Matrix:    
 Name of Filename Matrix:    
 Name of Totalcounts Matrix:    
 Name of Samplenames Matrix:

Load Selected Data

Loaded Data: **data**  
 Loaded Samplenames: **samplenames**  
 Loaded Variables: **exactmass**

#### Select Plot Type

Plot Data

Save Plot to File

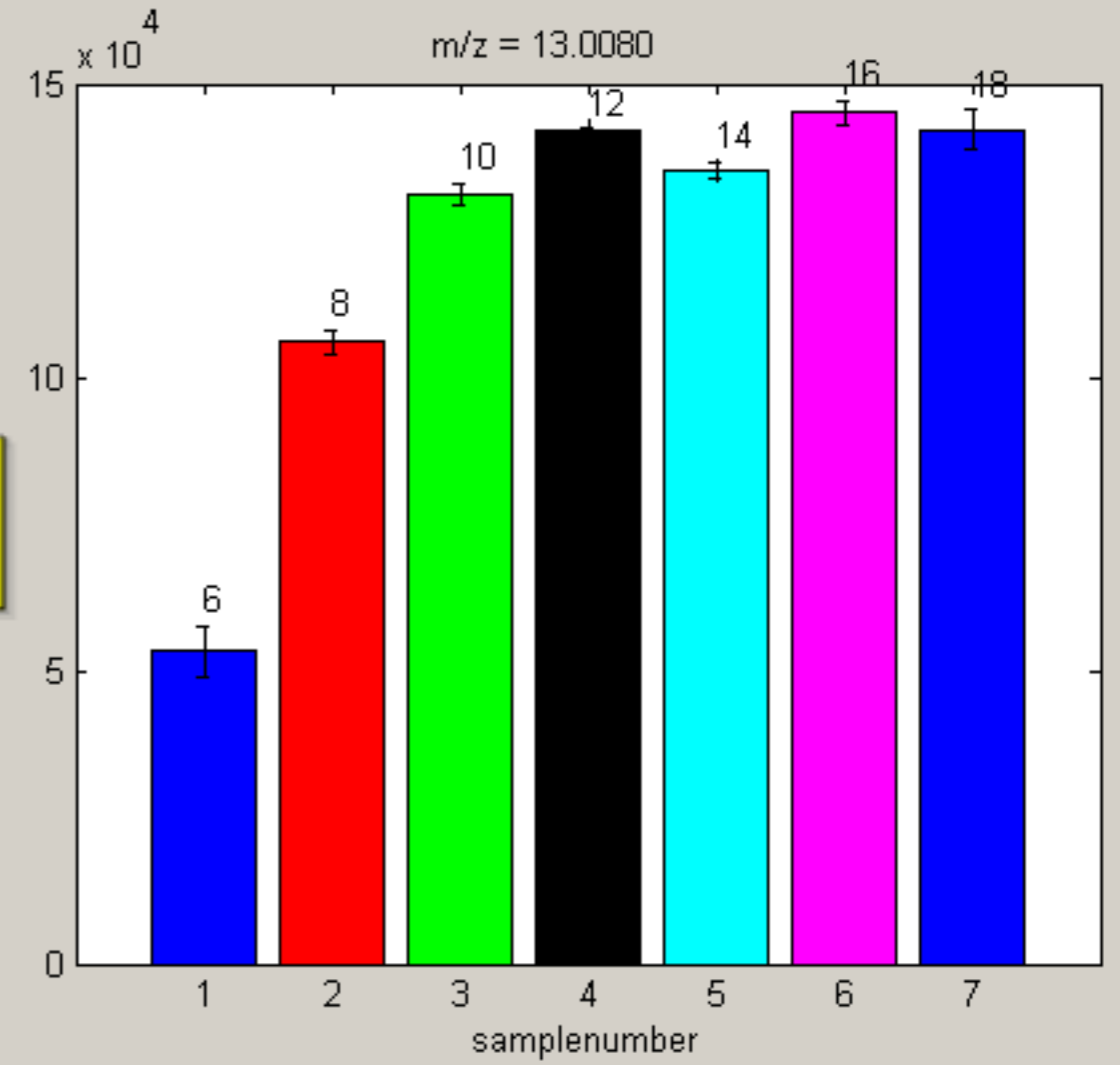
Close Panel

### Raw Data Browser

#### Variable List

Select a Variable to Plot

- 11.9999
- 13.0080
- 14.0162
- 15.9963
- 17.9999
- 34.9757
- 36.0015
- 37.0086
- 38.0166
- 39.0242
- 45.9900
- 49.0089
- 51.0244
- 56.9807
- 58.9966
- 61.9895
- 79.9577
- 85.9520





Shortcuts How to Add

Workspace



Name

- data
  - exactmass
  - filenames
  - newdata
  - newfiles
  - newsamples
  - nommass
  - samplenames
  - totalcounts
- Current Directory Workspace

Command History

```

load datafortut
exactmass
clc
clera
clear
clc
edit camecard.r
clc
exactmass
filenames
clc
samplenames
clc
clear new*
clc
clear new*
what
save datafortut
clc

```

### Data Selection Panel

These are the main input data that will be used in further analysis unless you specify otherwise.  
 Use the drop down menus to select the data and information you want to use in your analysis.

Name of Data Matrix:  Name of Variable Matrix:  Name of Filename Matrix:  Name of Totalcounts Matrix:  Name of Samplenames Matrix:

Load Selected Data

Loaded Data: **data**  
 Loaded Samplenames: **samplenames**  
 Loaded Variables: **exactmass**

#### Select Plot Type

Plot Data

Save Plot to File

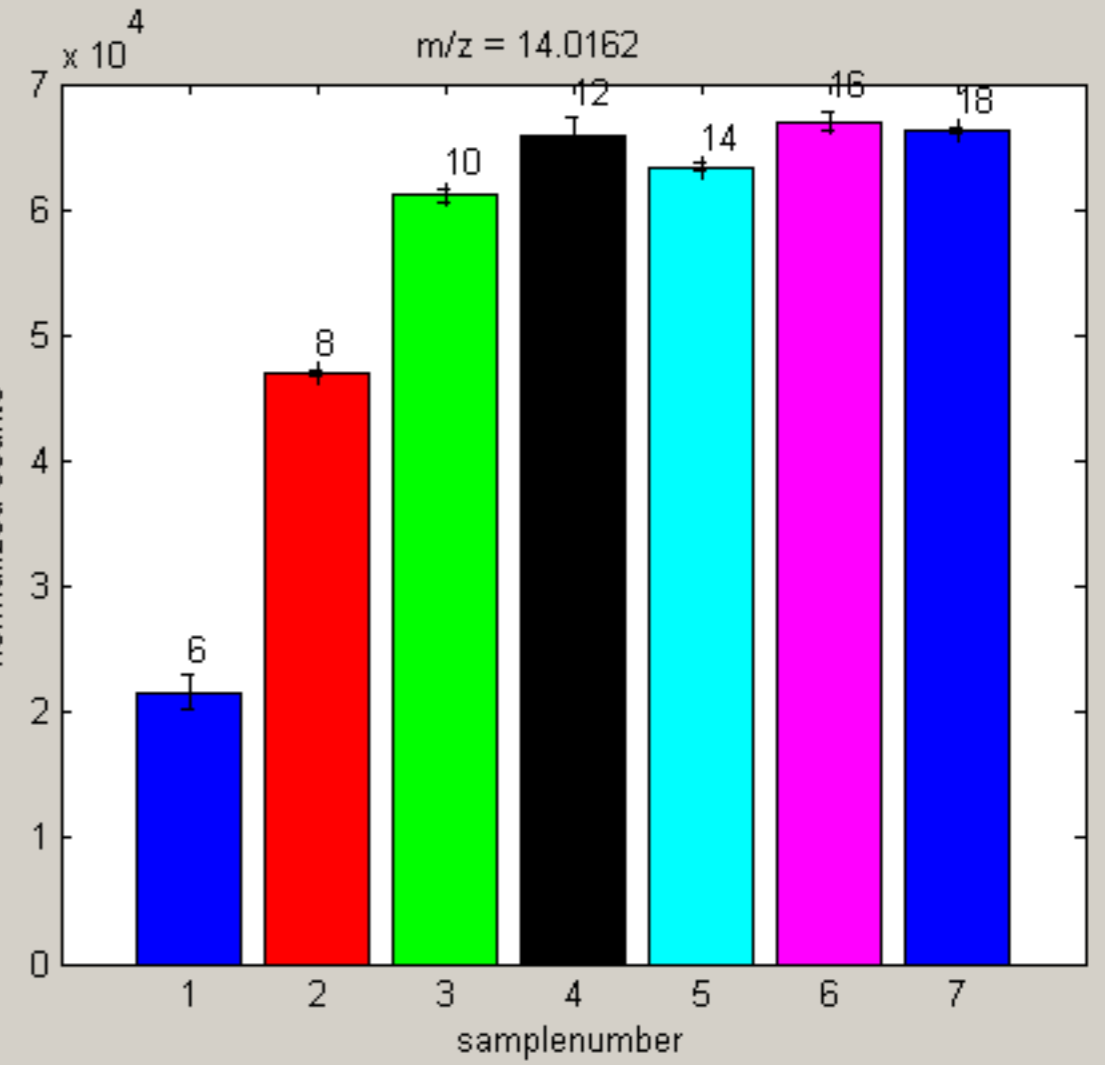
Close Panel

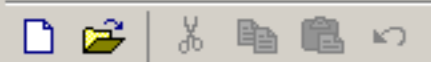
### Raw Data Browser

#### Variable List

Select a Variable to Plot

- 11.9999
- 13.0080
- 14.0162
- 15.9963
- 17.0030
- 21.9999
- 36.9975
- 37.0086
- 38.0166
- 39.0242
- 45.9900
- 49.0089
- 51.0244
- 56.9807
- 58.9966
- 61.9895
- 79.9577
- 85.9520





Shortcuts How to Add

Workspace



Name

- data
- exactmass
- filenames
- newdata
- newfiles
- newsamples
- nommass
- samplenames
- totalcounts

Current Directory Workspace

Command History

```

load datafortut
exactmass
clc
clera
clear
clc
edit camecard.r
clc
exactmass
filenames
clc
samplenames
clc
clear new*
clc
clear new*
what
save datafortut
clc

```

### Data Selection Panel

These are the main input data that will be used in further analysis unless you specify otherwise.  
 Use the drop down menus to select the data and information you want to use in your analysis.

Name of Data Matrix: 
 Name of Variable Matrix: 
 Name of Filename Matrix: 
 Name of Totalcounts Matrix: 
 Name of Samplenames Matrix:

Load Selected Data

Loaded Data: **data**  
 Loaded Samplenames: **samplenames**  
 Loaded Variables: **exactmass**

#### Select Plot Type

Plot Data

Save Plot to File

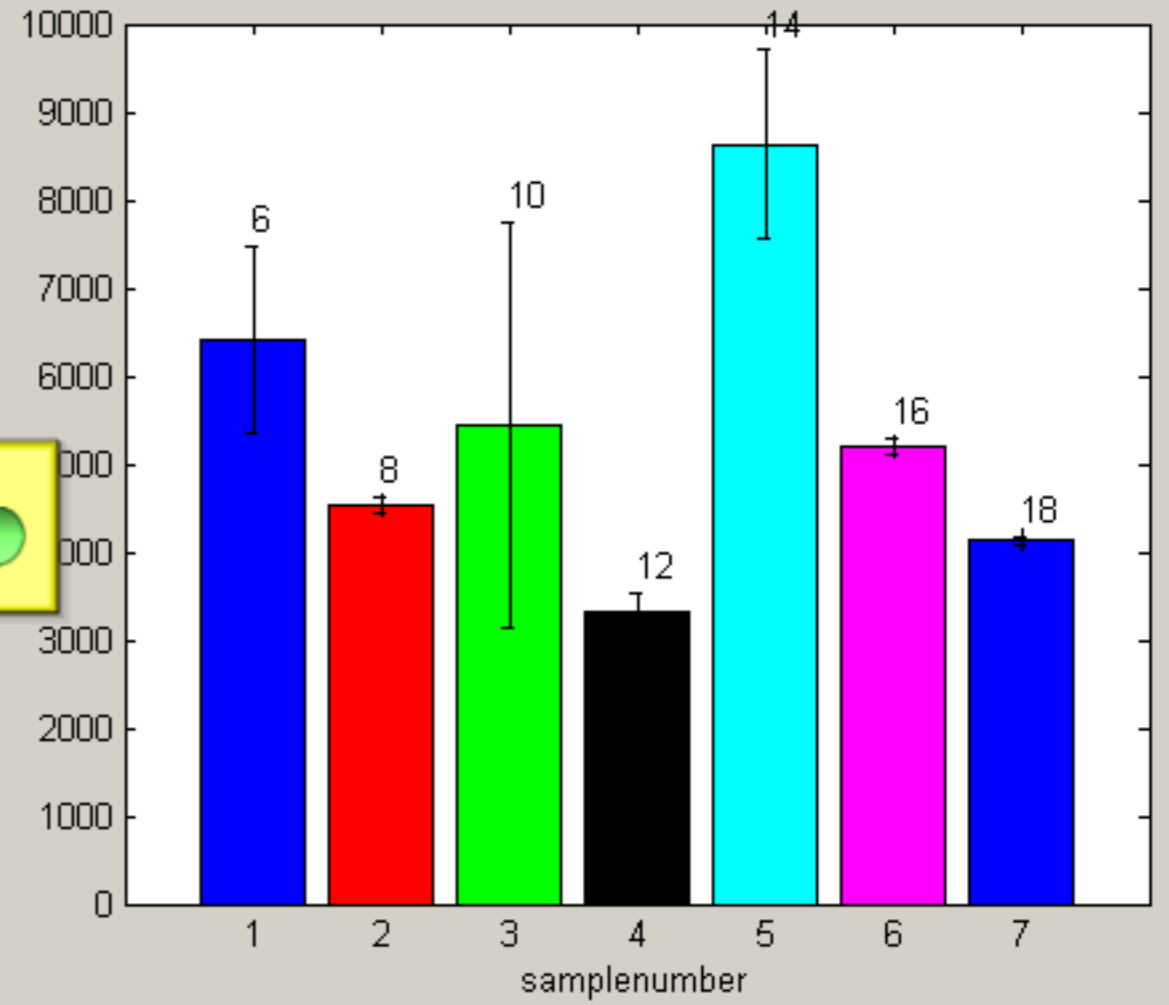
Close Panel

### Raw Data Browser

#### Variable List

Select a Variable to Plot

- 11.9999
- 13.0080
- 14.0162
- 15.9963
- 17.0030
- 24.0008
- 37.0086
- 38.0166
- 39.0242
- 45.9900
- 49.0089
- 51.0244
- 56.9807
- 58.9966
- 61.9895
- 79.9577
- 85.9528





Shortcuts How to Add

Workspace



Name

- data
- exactmass
- filenames
- newdata
- newfiles
- newsamples
- nommass
- samplenames
- totalcounts

Current Directory Workspace

Command History

```

load datafortut
exactmass
clc
clera
clear
clc
edit camecard.r
clc
exactmass
filenames
clc
samplenames
clc
clear new*
clc
clear new*
what
save datafortut
clc

```

### Data Selection Panel

These are the main input data that will be used in further analysis unless you specify otherwise.  
 Use the drop down menus to select the data and information you want to use in your analysis.

Name of Data Matrix:  Name of Variable Matrix:  Name of Filename Matrix:  Name of Totalcounts Matrix:  Name of Samplenames Matrix:

Load Selected Data

Loaded Data: **data**  
 Loaded Samplenames: **samplenames**  
 Loaded Variables: **exactmass**

#### Select Plot Type

Plot Data

Save Plot to File

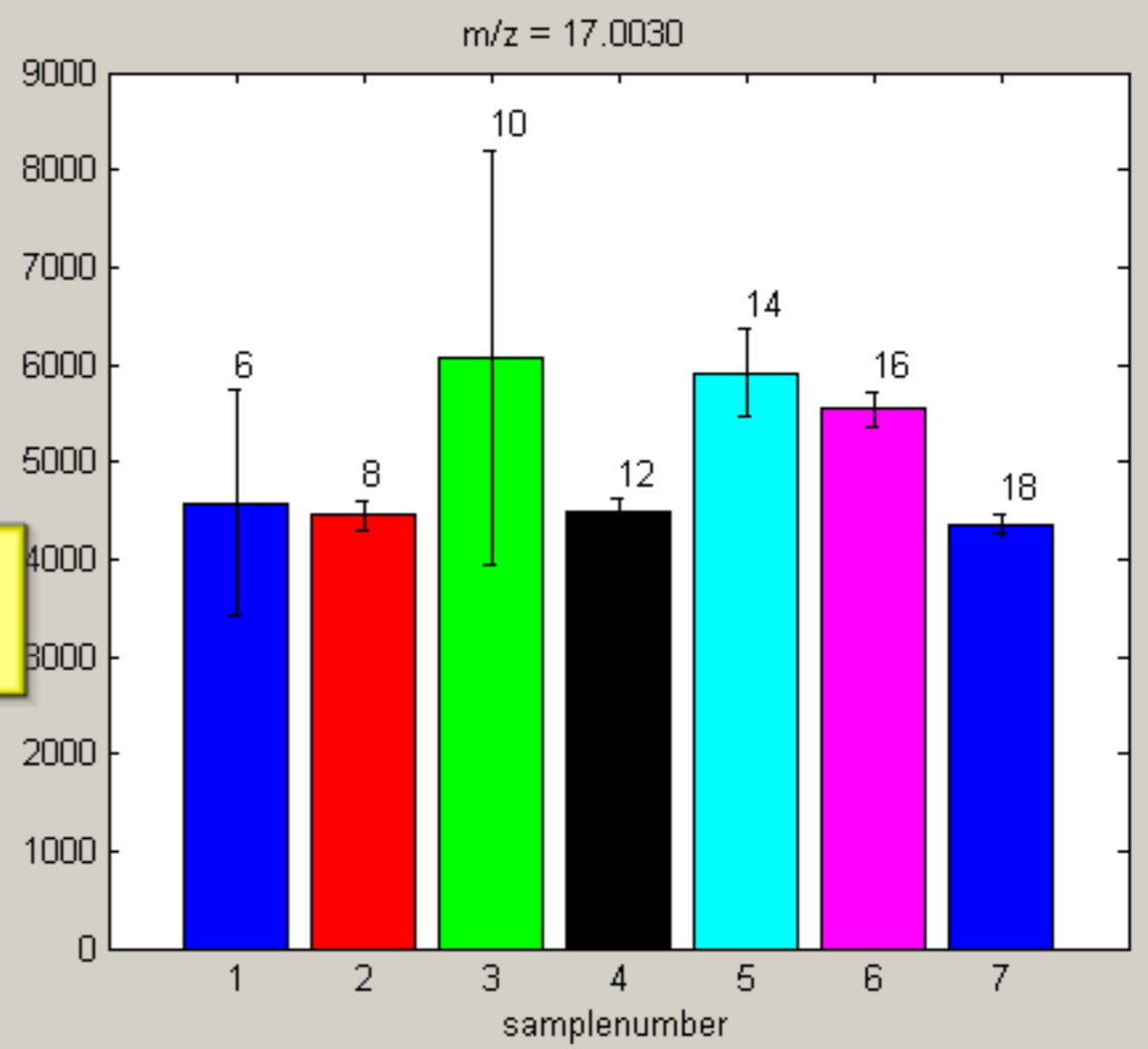
Close Panel

### Raw Data Browser

#### Variable List

Select a Variable to Plot

- 11.9999
- 13.0080
- 14.0162
- 15.9963
- 17.0030
- 24.0008
- 25.0078
- 38.0166
- 39.0242
- 45.9900
- 49.0089
- 51.0244
- 56.9807
- 58.9966
- 61.9895
- 79.9577
- 85.9720





Shortcuts How to Add

Workspace



Name

- data
- exactmass
- filenames
- newdata
- newfiles
- newsamples
- nommass
- samplenames
- totalcounts

Current Directory Workspace

Command History

```

load datafortut
exactmass
clc
clera
clear
clc
edit camecard.r
clc
exactmass
filenames
clc
samplenames
clc
clear new*
clc
clear new*
what
save datafortut
clc

```

### Data Selection Panel

These are the main input data that will be used in further analysis unless you specify otherwise.  
 Use the drop down menus to select the data and information you want to use in your analysis.

Name of Data Matrix:  Name of Variable Matrix:  Name of Filename Matrix:  Name of Totalcounts Matrix:  Name of Samplenames Matrix:

### Raw Data Browser

Load Selected Data

Loaded Data: **data**  
 Loaded Samplenames: **samplenames**  
 Loaded Variables: **exactmass**

### Variable List

Select a Variable to Plot

- 11.9999
- 13.0080
- 14.0162
- 15.9963
- 17.0030
- 24.0008
- 25.0078
- 31.9726
- 32.9796
- 34.9757
- 58.9966
- 61.9895
- 79.9577
- 85.9528

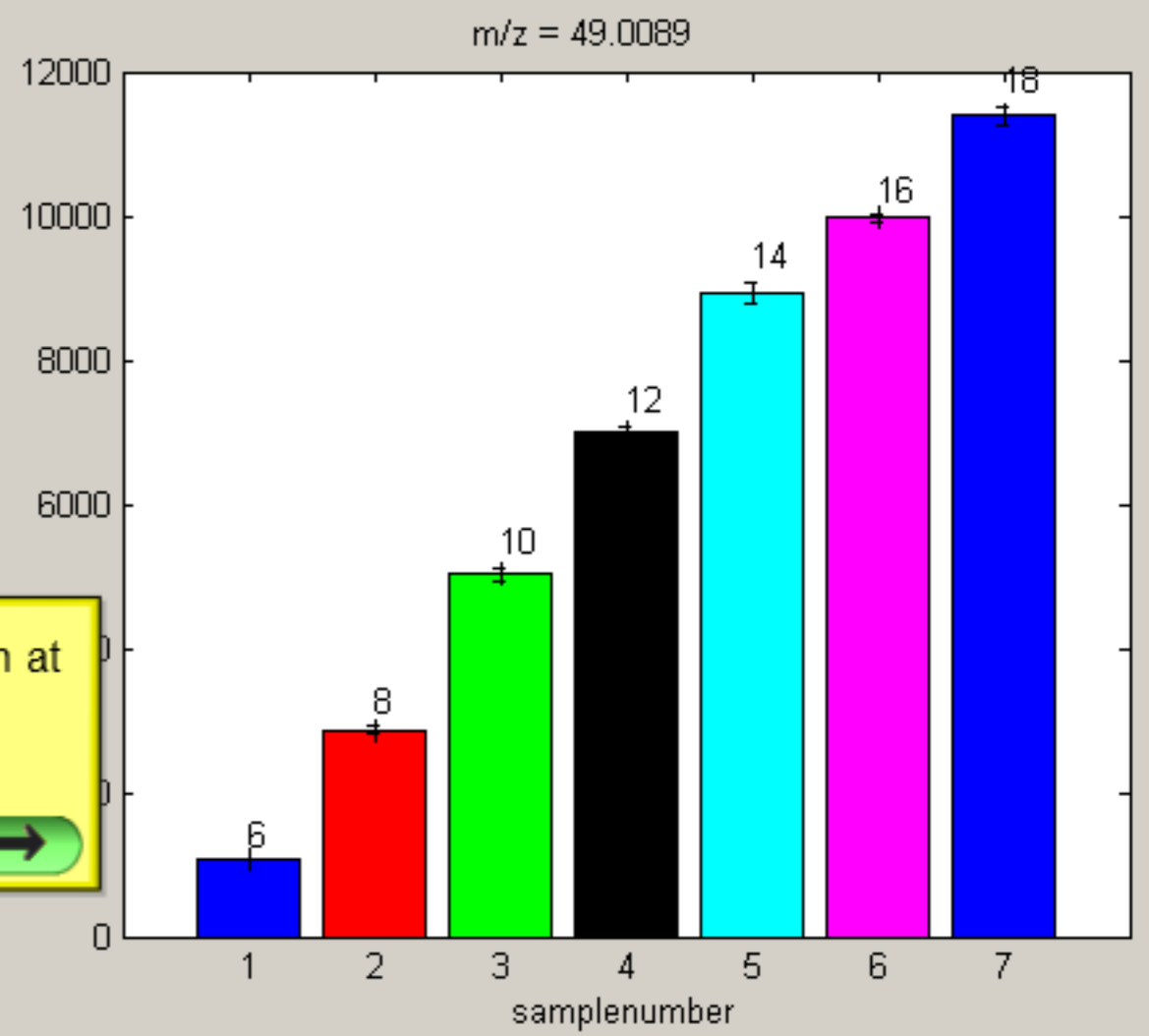
### Select Plot Type

Average + Stdev Colored

Plot Data

Close Panel

You can also use the 'Plot Data' button at any time.



### Data Selection Panel

These are the main input data that will be used in further analysis unless you specify otherwise. Use the drop down menus to select the data and information you want to use in your analysis.

Name of Data Matrix:  Name of Variable Matrix:  Name of Filename Matrix:  Name of Totalcounts Matrix:  Name of Samplenames Matrix:

### Peak Area Data Browser

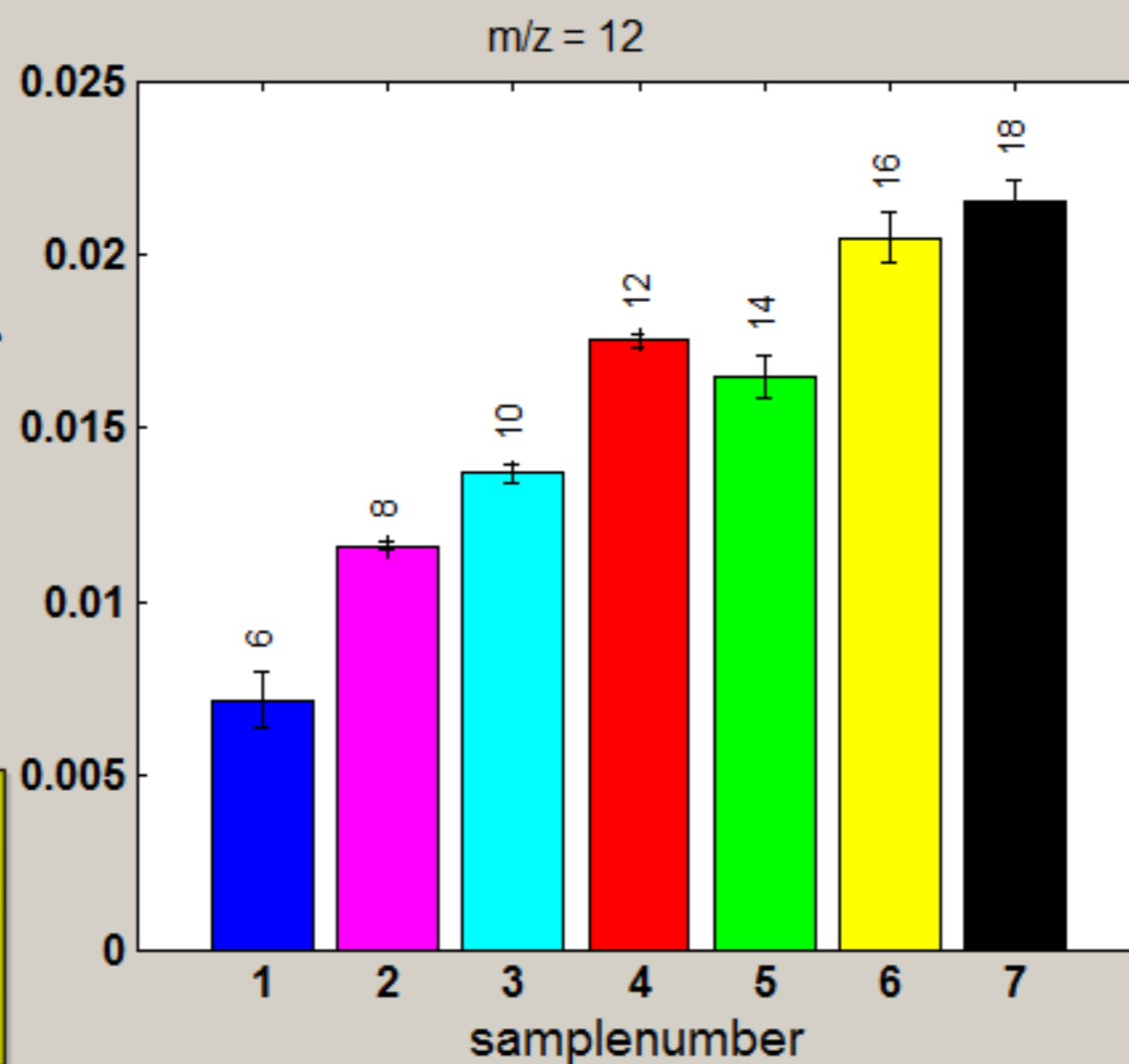
Load Selected Data

Loaded Data: **ndatat**  
Loaded Samplenames: **samplenames**  
Loaded Variables: **exactmass**

Variable List  
Select a Variable to Plot

- 12-11.9999
- 13-13.0080
- 14-14.0162
- 16-15.9963
- 17-17.0030
- 24-24.0008
- 25-25.0078
- 32-31.9726
- 33-32.9796
- 35-34.9757
- 36-36.0015
- 37-37.0086

Relative Intensity



Plot Data

Save Plot to File

EXT Plot

Close Panel

You can create an external Matlab figure by pressing the 'EXT Plot' button.



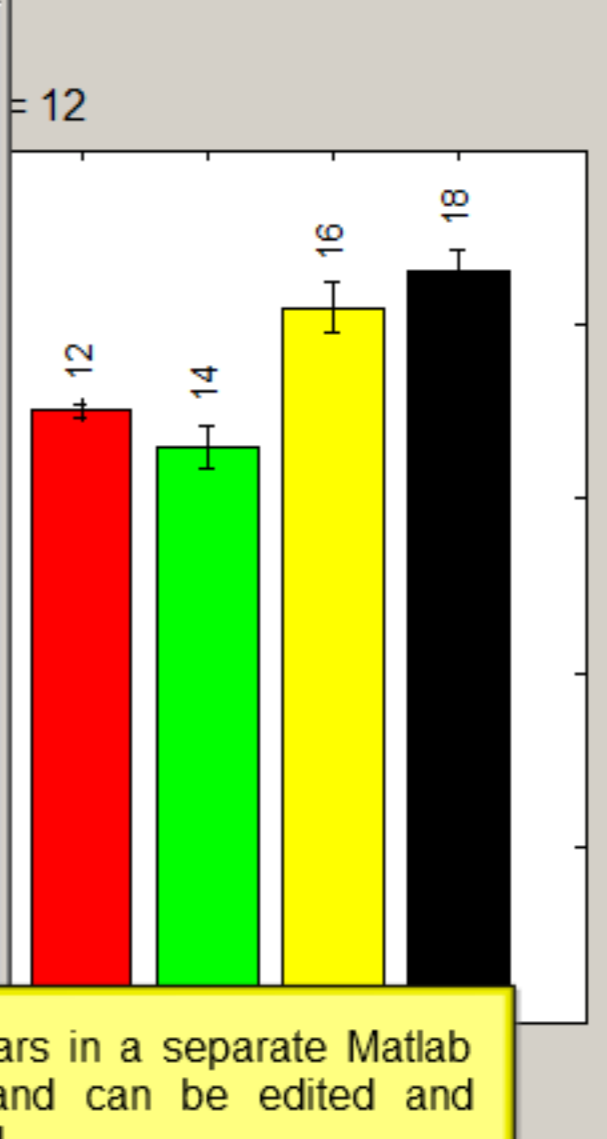
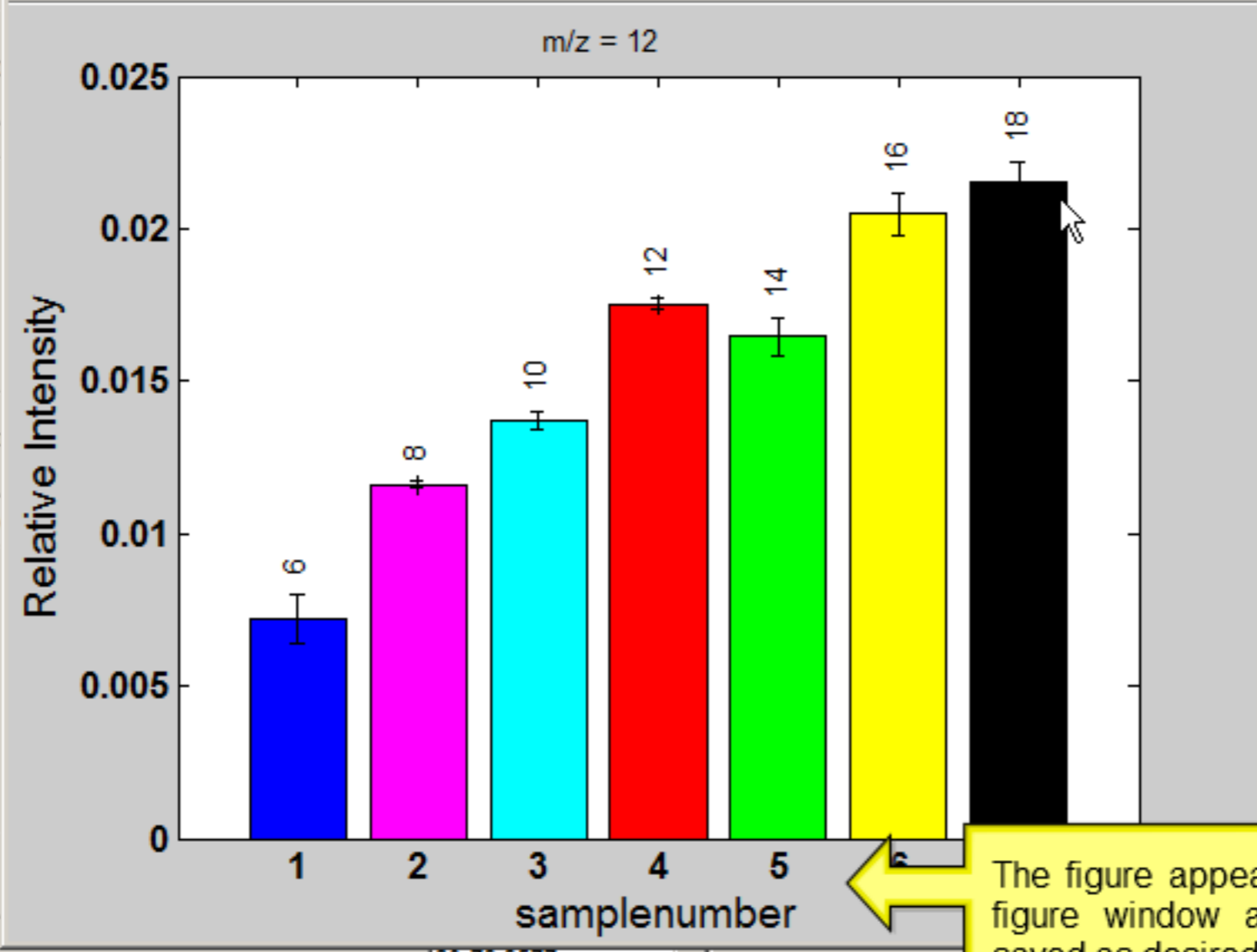
### Data Selection Panel

These are the main input data that will be used in further analysis unless you specify otherwise. Use the drop down menus to select the data and information you want to use in your analysis.

Name of Data Matrix  
ndatat

Name of Samplenames Matrix  
samplenames

Figure 4  
File Edit View Insert Tools Desktop Window Help



Load Selected

Loaded Data:  
Loaded Samplenames:  
Loaded Variables:

Select Function  
Average + Stdev C

Plot Data  
EXT Plot

Close

The figure appears in a separate Matlab figure window and can be edited and saved as desired.



### Data Selection Panel

These are the main input data that will be used in further analysis unless you specify otherwise. Use the drop down menus to select the data and information you want to use in your analysis.

Name of Data Matrix:  Name of Variable Matrix:  Name of Filename Matrix:  Name of Totalcounts Matrix:  Name of Samplenames Matrix:

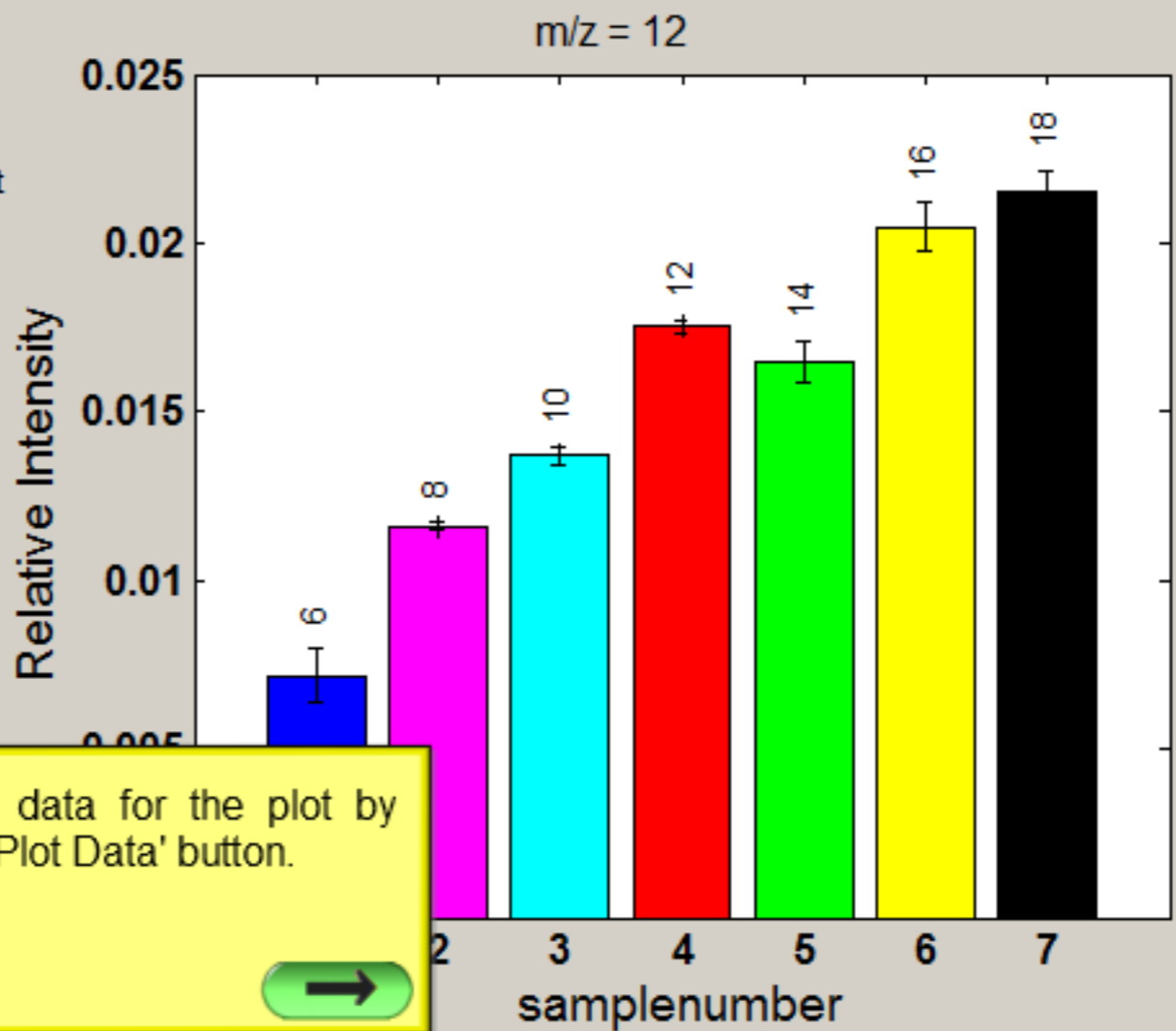
### Peak Area Data Browser

Load Selected Data

Loaded Data: **ndatat**  
Loaded Samplenames: **samplenames**  
Loaded Variables: **exactmass**

Variable List  
Select a Variable to Plot

- 12-11.9999
- 13-13.0080
- 14-14.0162
- 16-15.9963
- 17-17.0030
- 24-24.0008
- 25-25.0078
- 32-31.9726
- 33-32.9796
- 35-34.9757
- 36-36.0015
- 37-37.0086



Select Plot Type:

Plot Data Save Plot to File  
EXT Plot Export Plot Data  
Close Panel

You can export the data for the plot by pressing the 'Export Plot Data' button.



spectragui

Save file as

Save in: MATLAB

Name	Date	Type	Size	Tags
zcorrectorgui	9/6/2013 4:29 PM	File folder		
imagegui	8/23/2013 3:32 PM	File folder		
spectragui	8/23/2013 3:15 PM	File folder		
07_15_13 tripalmitin 18_IonoptikaIA2DspectrV2	7/31/2013 9:41 AM	File folder		
New folder	2/6/2013 10:05 AM	File folder		
slices	2/6/2013 9:57 AM	File folder		
Nick	2/6/2013 9:55 AM	File folder		
testasciitext.txt	10/8/2013 10:26 AM	Text Document	3 KB	
tiledatatable.txt	7/12/2013 3:58 PM	Text Document	39 KB	
default.txt	6/14/2013 1:31 PM	Text Document	1 KB	
ROIareatable_LOS3tile4.txt	4/9/2013 10:13 AM	Text Document	6 KB	
slice2spot2test.txt	4/5/2013 2:49 PM	Text Document	7 KB	
ROIareatable_fromPCAScores.txt	4/3/2013 3:30 PM	Text Document	8 KB	
test_spot1_pos_NoSilicon.txt	3/11/2013 2:41 PM	Text Document	123 KB	
cottonnegatif2.txt	3/4/2013 8:57 AM	Text Document	3 KB	
MDXWTposALL.txt	2/12/2013 3:11 PM	Text Document	949 KB	
Computer - Shortcut	2/6/2013 9:58 AM	Shortcut	1 KB	
mcrcompspectra.txt	1/30/2013 11:40 AM	Text Document	2,050 KB	
mcrcompimg.txt	1/30/2013 11:40 AM	Text Document	2,050 KB	
mcrcomps.txt	1/30/2013 11:34 AM	Text Document	2,050 KB	
testimage.txt	1/15/2013 9:20 AM	Text Document	1,418 KB	

File name: myfiguredata

Save as type: txt (\*.txt)

Save

Cancel

Give the file and name and press 'Save'.

← →

EXT Plot

Export Plot Data

Close Panel

38-38.0166  
39-39.0242  
46-45.9900  
49-49.0089  
51-51.0244  
57-56.9807  
59-58.9966  
62-61.9895  
80 70.9577

0 1 2 3 4 5 6 7

sample number

myfiguredata.txt - Notepad

File Edit Format View Help

		12
06104	6	0.0076093
06105	6	0.0077738
06106	6	0.0061368
06104	6	0.0076093
06105	6	0.0077738
06106	6	0.0061368
08104	8	0.011616
08105	8	0.011473
08106	8	0.011744
08104	8	0.011616
08105	8	0.011473
08106	8	0.011744
10104	10	0.014042
10105	10	0.013412
10106	10	0.013636
10104	10	0.014042
10105	10	0.013412
10106	10	0.013636
12104	12	0.017788
12105	12	0.017434
12106	12	0.017386
12104	12	0.017788
12105	12	0.017434
12106	12	0.017386
14104	14	0.016843
14105	14	0.016894
14106	14	0.015656
14104	14	0.016843
14105	14	0.016894
14106	14	0.015656
16104	16	0.020973
16105	16	0.020896
16106	16	0.019556
16104	16	0.020973
16105	16	0.020896
16106	16	0.019556
18104	18	0.021875
18105	18	0.021993
18106	18	0.020764
18104	18	0.021875
18105	18	0.021993
18106	18	0.020764

← The data is saved to a tab delimited text file and can be opened and plotted using any software you would like to use.

The first column contains the filenames, the second column contains the samplenames, and the third column contains the data for each file.

→



Shortcuts How to Add

Workspace



Name

- data
- exactmass
- filenames
- newdata
- newfiles
- newsamples
- nommass
- samplenames
- totalcounts

Current Directory Workspace

Command History

```

load datafortut
exactmass
clc
clera
clear
clc
edit camecard.r
clc
exactmass
filenames
clc
samplenames
clc
clear new*
clc
clear new*
what
save datafortut
clc

```

### Data Selection Panel

These are the main input data that will be used in further analysis unless you specify otherwise.  
 Use the drop down menus to select the data and information you want to use in your analysis.

Name of Data Matrix	Name of Variable Matrix	Name of Filename Matrix	Name of Totalcounts Matrix	Name of Samplenames Matrix
data	exactmass	filenames	totalcounts	samplenames

That's it for this tutorial.

Press the green button on the left to go back to the previous step. Press the button the right to go back to the beginning of the tutorial.

←      →